HARRISON SUPPLY COMPANY INC.

ESTABLISHED 1900

Boston Massachusetts

U. S. A.



NATHAN C. HARRISON

Founder and Treasurer

HARRISON SUPPLY COMPANY, INC.

HARRISON
SUPPLY COMPANY, INC.

Nathan C. Harrison — Treasurer

CATALOGUE
NUMBER
FIVE

Warehouses

BOSTON, MASS.
BARRE, VERMONT



Established 1900

5 and 7 Dorchester Avenue Extension
BOSTON, MASSACHUSETTS, U. S. A.

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HARRISON SUPPLY COMPANY, INC.
BOSTON, MASS., U. S. A.

LOCAL OR LONG DISTANCE TELEPHONES
LIBERTY 2625-2626
CABLE ADDRESS "NATE" BOSTON

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Foreword

AS the result of a great need, this business was established in 1900 so as to enable the Granite, Marble and Stone trade the world over to obtain from one house their requirements of quality merchandise, machinery and tools for working Granite, Marble and Stone from the time they leave the quarry until finished ready for the consuming trade.

The many thousands of satisfied customers who are daily increasing in numbers, proves conclusively their wants are being cared for in a manner that bespeaks still larger growth for this business.

Our service, our merchandise and our prices are worth considering seriously. One order will prove to you that we can serve you in a way that will demand your future business. Don't be afraid the order is too small to send. We value all orders, irrespective of size.

We are constantly adding new materials and tools whereby we might be in a better position than heretofore to supply our customers' requirements.

HARRISON SUPPLY COMPANY, INC.

Nathan C. Harrison,
Treasurer.

Terms

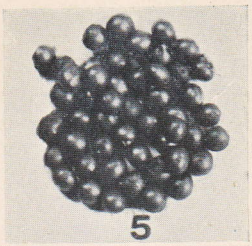
WE are always pleased to open an account with anyone who has an established credit, or who will furnish satisfactory references.

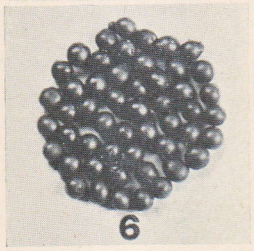
With regular customers, our terms are strictly net cash in thirty (30) days from date of shipment. All prices quoted are f. o. b. Boston, Mass., or Barre, Vermont, unless otherwise arranged in terms of sale.

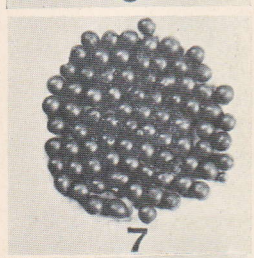
We are always glad to quote special prices to those who make yearly contracts, or who purchase large quantities of merchandise at one time.

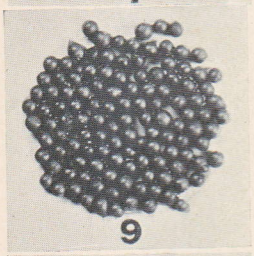
All quotations in this book are subject to change without notice.

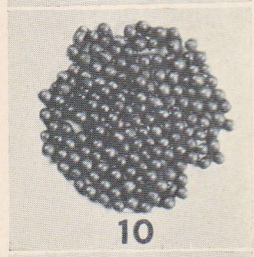
All previous price lists are hereby cancelled.

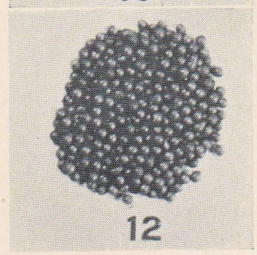

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Improved Chilled Shot

Illustrations show exact sizes.

For sawing or polishing Granite, Marble, Stone or Onyx, the metallic abrasive must be fast cutting, strong and durable.

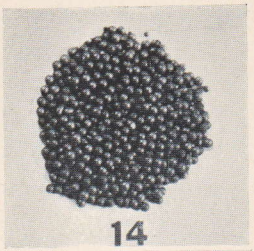
We can honestly state without fear of contradiction our Chilled Shot has no superior manufactured anywhere.

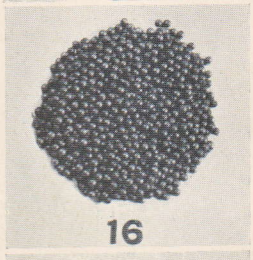
Maximum results at minimum cost is guaranteed with the use of our material.

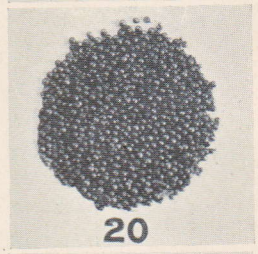
All shot is packed in double bags, containing one hundred pounds of material.

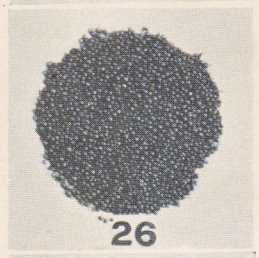
We carry in stock all sizes ready for immediate shipment.

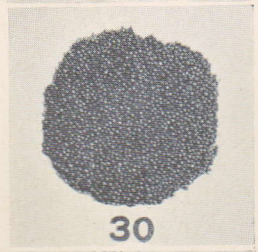
Free samples sent to prospective customers.

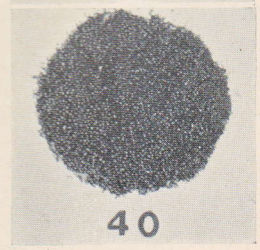

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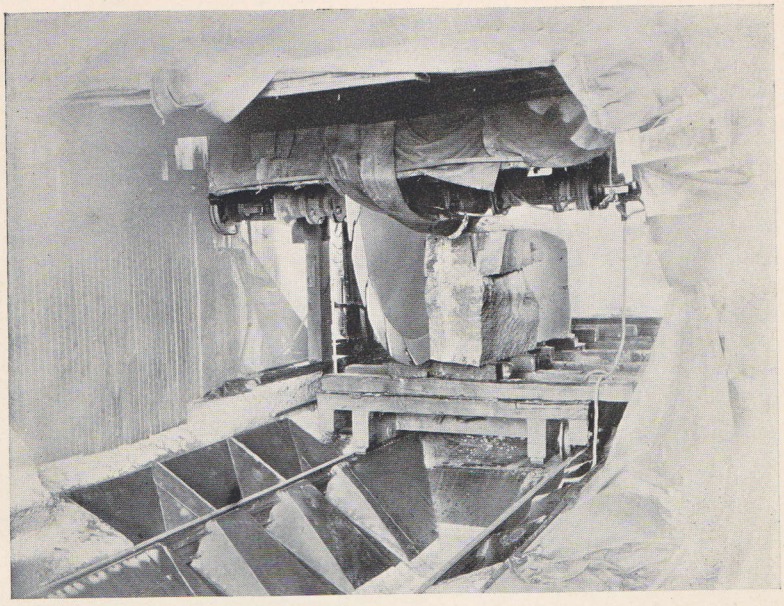

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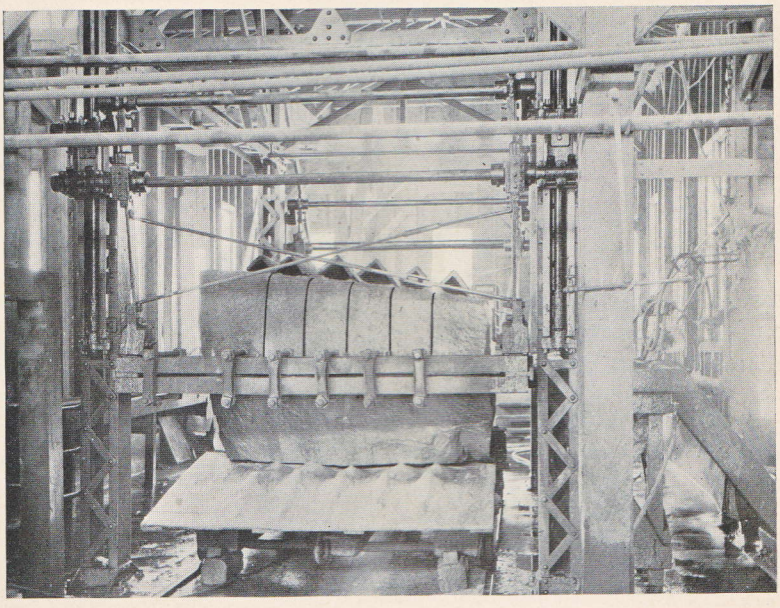

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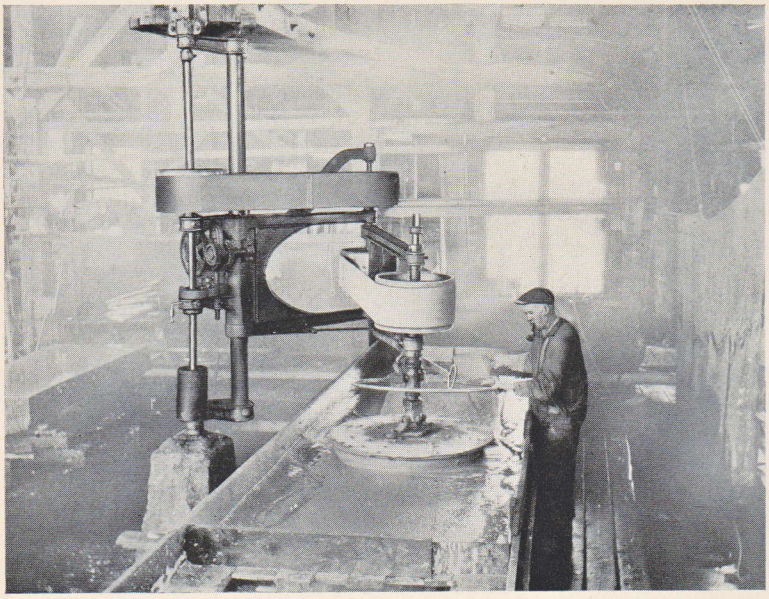


This picture illustrates the latest circular saw in operation, sawing granite with the use of our Improved Chilled Shot, the hardest test that shot can experience.



This picture shows the latest screw feed gang saw in operation, sawing granite with the use of our Improved Chilled Shot. Note how straight and clean the cuts are.

Polishing Granite



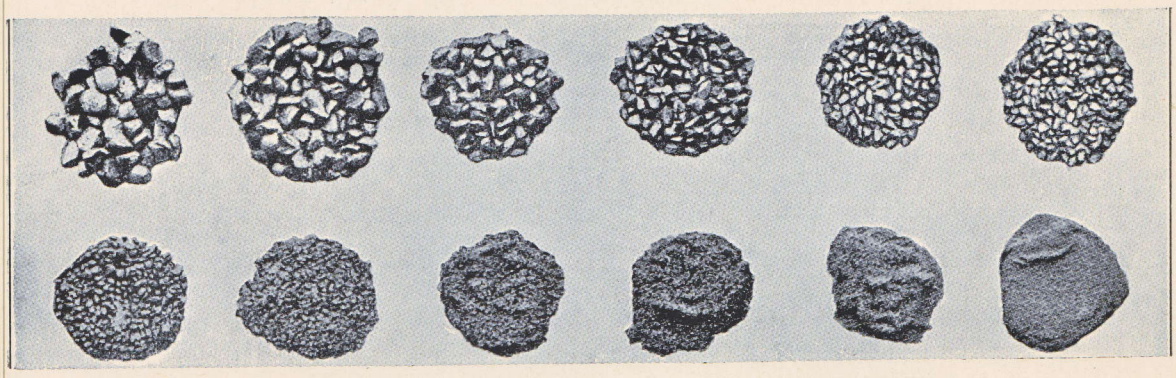
This picture is familiar to all granite polishers.

This machine is capable of polishing a very large bed. The picture shows a polisher using our Improved Chilled Shot, and the contented look on his face is sufficient evidence to prove he is using the best metallic abrasive that money and skill can produce.

The bed he is polishing is filled in with our Ebsary Polishing Plaster, the most popular plaster on the market.

Diamond or Angular Grit

(Illustrations show exact sizes.)



Diamond or Angular Grit was produced to satisfy the demand for a very sharp cutting abrasive for sawing or rubbing marble, sandstone or soapstone and for grinding granite, terra cotta, brick and glass.

This abrasive is produced by crushing the large shot, and is very hard and durable.

Diamond Grit is especially adaptable for rubbing marble on rubbing beds, and for sand-blast purposes.

Diamond Grit is packed in double bags, containing one hundred pounds of material.

All sizes carried in stock ready for immediate shipment.

Order by the name always.

Diamond Crushed Steel

The only crucible steel angular abrasive.

Extremely economical for sawing and rubbing Marble, Sandstone, Limestone, Onyx and Brick.

Increased output at reduced cost.

A wonderful metallic abrasive for lettering or carving with the use of sand-blast machinery. One ton will outwear several carloads of the best sand obtainable. This abrasive will eliminate dust.

The various sizes of Diamond Crushed Steel correspond with the sizes of Diamond Grit. Packed in double bags containing one hundred pounds of material.

We ship from ten pounds upward.

We are Exclusive Selling Agents for Carbolon for the Stone Trade

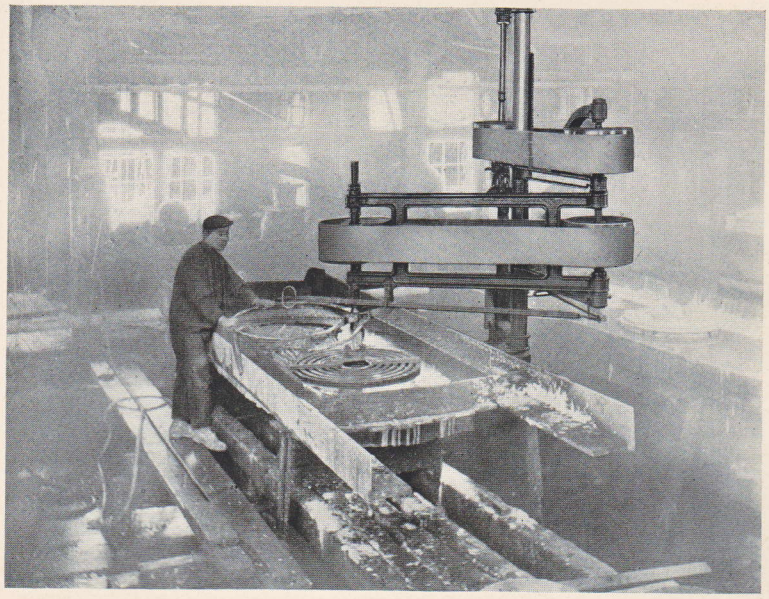


Carbolon is the product of the electric furnace. It is a brittle, sharp-cutting abrasive which is used by the granite trade after the use of Chilled Shot, Diamond Grit or Crushed Steel.

Carbolon is carefully and specially treated for the polishing of granite. Graphite is entirely eliminated from the abrasive, and it is evenly sized or graded especially for granite polishing.

It has been demonstrated time and again that twelve ounces of Carbolon will do as much work as sixteen ounces of its nearest competitor, cutting faster and leaving a much smoother surface for the use of putty powder.

Polishing Granite



This picture shows the polisher putting a skin or gloss on the granite with the use of Carbolon and preparing the surface of the granite for the final polishing with putty powder.

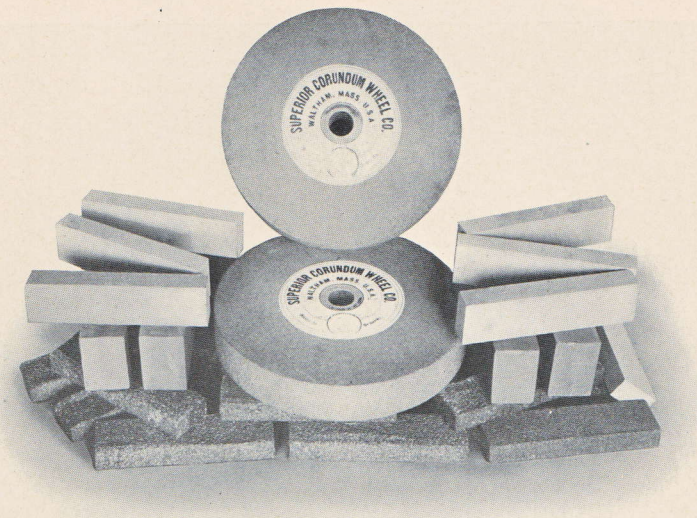
Carbolon in grain form is packed as follows:

Kegs, about 325 pounds	16c	per pound
Half Kegs, 150 "	16½c	" "
100 pounds	17c	" "
50 "	18c	" "
10 to 25 pounds	20c	" "
Less quantity	21c	" "

We supply any size required.

We usually carry in stock ready for shipment, sizes 60, 70, 80, 90, 100, 120 and Flour.

Grinding Wheels and Bricks

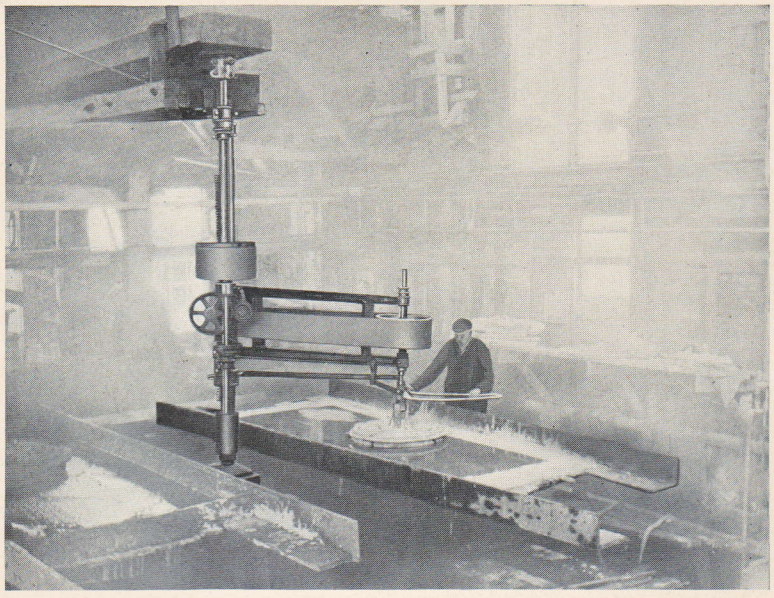


We supply any size, grit or grade of Grinding Wheels made expressly for grinding and sharpening Granite or Marble cutting tools.

It is our constant aim to supply wheels to meet all conditions required for the best and most profitable results. Each and every wheel is sold under a positive guarantee of economical results to the user. When ordering wheels, state whether you desire Carborundum or Artificial Corundum wheels, also diameter of wheel desired, together with thickness and size of arbor or center hole, and, if possible, grade or grit desired.

We carry in stock at all times a complete line of Carborundum Bricks 8 inches long by 2 inches broad by 1 inch thick, also 8 inches by 3 inches by 2 inches, the most popular sizes for the granite and marble trades.

Polishing Granite



This picture gives a splendid idea what the granite looks like when polished with a pure tin putty powder; the polish on this piece of granite will remain for a century.

Over twenty-four years ago we introduced pure putty powder to the granite and marble industries and since that time the quality of polished work has gradually improved until today it is no common occurrence to see beautiful mirror-like polished surfaces on every known granite throughout the world.

Harco Brand Pure Tin Oxide

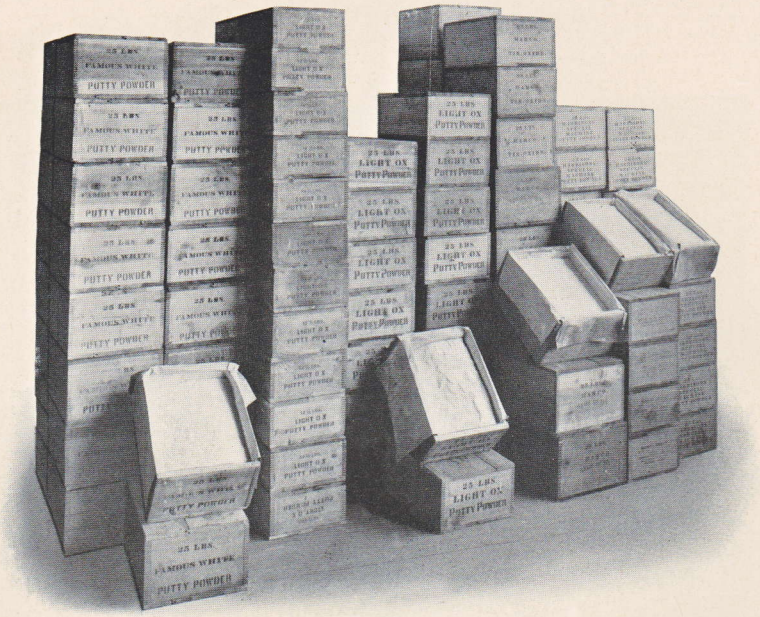


Harco Brand Pure Tin Oxide is the purest material known today for polishing granite. It is especially adapted for polishing Quincy, Mass., and Vermont granites.

There have been a number of imitations on the market, but they are short-lived, because the material is adulterated. We have never adulterated a pound of tin oxide or putty powder in our entire business career, and never will. The best only satisfies the wide-awake polisher.

Our Harco Tin Oxide is packed in 425 to 500-pound casks and 25-pound boxes.

We ship from one pound upward.



We carry a complete stock of our various brands of putty powder on hand ready for immediate shipment at all times, both in Boston and our Barre, Vermont, warehouses.

Without a doubt, the finest and most popular brand of putty powder produced is our FAMOUS WHITE. (Reg. U. S. Pat. Off.)

The quality never varies. Will produce more polished granite or marble than any known brand on the market.

The granite and marble trade the world over is familiar with this brand of putty powder.

For twenty-four years "OX" Putty Powder has stood the test, not quite so rich in tin as Famous White, but a wonderful article for first-class polishing.

"QUINCY BRAND" Putty Powder is extremely popular in this country, Scotland and South America. Somewhat heavier than "Famous White" and "OX" but a dandy article for giving a beautiful polish on Granite.

HARRISON'S SPECIAL MACHINE for fast polishing on marble, a very fine article at a reasonable price, with an ever-increasing demand from the marble trade.

Our other well-known brands are ACME for Cut Glass polishing. Our California Green for Colored Marble and Diamond Red for Red Granite.

All brands are packed in 12½ and 25-pound boxes.

We supply from one pound upward.



There are a number of brands of Red and Black Rouge on the market of indifferent quality.

Our Superfine Red Rouge is different from any other. To begin with, it is made differently, being produced by a patented precipitation and we claim that this insures a superior rouge, and even though the first cost may be slightly higher than that of some other rouges, in actual use it is more economical. In the first place, it takes more water than ordinary rouge and should be used in a thinner paste. Secondly, a barrel which would hold about 350 pounds of our Rouge, would hold at least 400 pounds of any other high grade Rouge, and yet we are confident that a barrel of our Rouge would polish as much glass.

Our Black Rouge is packed either as dry powder or granulated. No better material is produced than the Black Rouge we sell.

The dry powder is packed in barrels of 420 pounds.

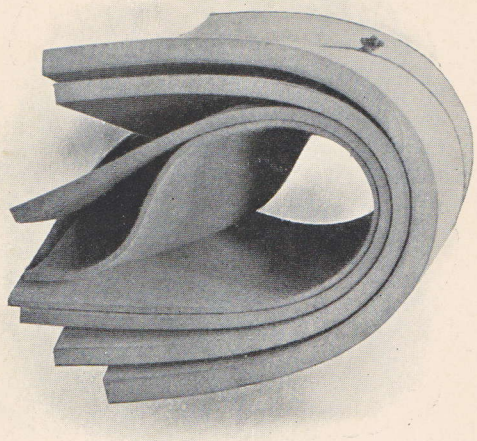
Half barrels	250 pounds
Kegs	140 pounds

The granulated runs about 20% heavier.

White Mexican Sheet Felt

We have always advised our customers to be careful and buy felt that is best adapted to the marble and granite trade. Hard felt will glaze in a very few hours, and a soft felt, such as we handle exclusively, will last for many years.

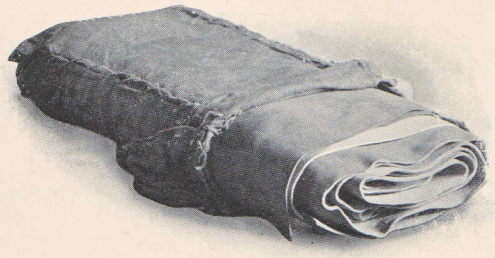
Our felt is made especially for us in pieces three feet square, and the following thicknesses: one-fourth inch, three-eighths inch, one-half inch, three-fourths inch and one inch.



A square yard ¼ inch thick weighs approximately 6 pounds.
A square yard ⅜ inch thick weighs approximately 8 pounds.
A square yard ½ inch thick weighs approximately 10 pounds.
A square yard ¾ inch thick weighs approximately 16 pounds.
A square yard 1 inch thick weighs approximately 21 pounds.

We can supply our sheet felt in the following sizes: one-quarter yard, one-half yard, three-fourths yard and one yard. This quality of Felt can only be purchased from us.

Jacketing



Many of our customers prefer second-hand Jacketing for polishing granite. This material comes from paper mills, and is used by them on their rolls. While it is a splendid article for giving a gloss, this material cannot compare with new felt in any way.

We supply Jacketing in any quantity desired, also cut into strips ready for use in buffing wheels.

Trufelt

Pure Wool

Reg. U. S. Pat. Off.



All wools entering into the manufacture of our True Felt Buffers, are sorted, scoured and felted in one mill, with no divided responsibility, no intermediate profits, no costly rehandlings, no adulterations.

This means QUALITY.

Over twenty years' experience on highest grade felt wheels is behind our organization.

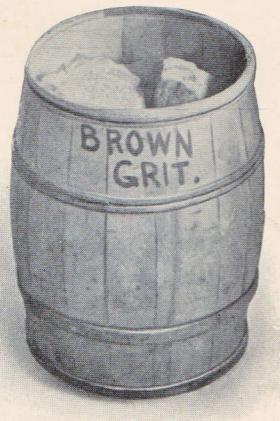
This means SERVICE.

Our prices are based upon the savings consequent to the continuous production from fleece to wheel under one roof.

This means ECONOMY.

We are sole and exclusive Selling Agents for Trufelt products for the Stone, Marble, Granite and Cut Glass industries.

Coarse and Fine Brown Grits



All of our Brown Grits come from either New Brunswick or Nova Scotia.

These Grits are selected with the greatest care. They are entirely free from hard spots or flint, and will give the utmost in satisfactory service.



Selected Blue Grits

We sell only imported coarse and fine Blue Grits, exceptionally fine in quality, fast and free cutting. We highly recommend these grits for rubbing any class of marble.

Imported Red Grit

Every piece of Red Grit we sell is guaranteed to give satisfaction.

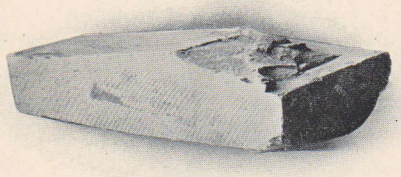
Our Grits are free from impurities. They will not scratch the marble and will wear evenly throughout.

All of our Grits are packed in barrels containing about 280 pounds each. We supply any quantity from ten pounds upward.

All Grits carried in stock for immediate shipment.



Original Tam O'Shanter Scotch Hone



All marble men will admit that Tam O'Shanter Scotch Hone is superior to all other hone on the market. For more than twenty-three years we have been direct importers from the Scotch quarries of this splendid hone. Every piece we sell is carefully selected for us by an expert at the mill.

Tam O'Shanter Scotch Hone is packed in casks containing 560 pounds each.

We sell from five pounds upward.

Kentucky Caron Hone



We sell large quantities of the original Kentucky Caron Hone, or Louisville Hone, as it is sometimes called. It is somewhat softer than Tam O'Shanter Hone. It is wise to have a supply of both on hand at all times. This material is packed in barrels containing about 350 pounds each.

We ship from five pounds upward.

American Black Hone

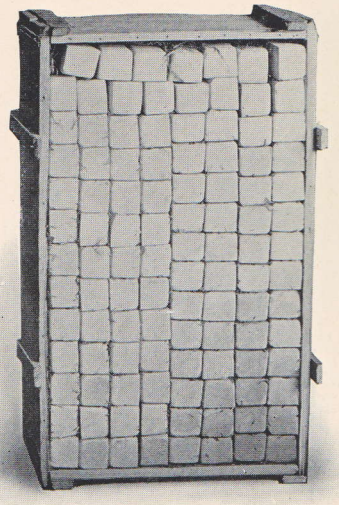
We always carry a stock of American Black Hone, and can ship any quantity desired. This is a favorite hone with many marble men.

Imported Selected Lump Pumice Stone

Be very careful when you purchase lump pumice stone. There are so many inferior brands of lump pumice stone sold. We are direct importers of lump pumice stone. We sell one quality only — no mixed material. Each piece of our lump pumice stone is carefully selected for the marble trade exclusively, all filed and smoothed.

The barrels contain about 250 pounds each. We supply from five pounds upward.





Purified Pumice Brick

Another article the marble man should be very careful when purchasing. We handle only the finest brand of pumice brick, especially suitable for rubbing marble. We positively guarantee our pumice brick to be free from grit and hard spots that scratch, and of even hardness.

We carry in stock three grades:

No. 3–1 Fine Soft
No. 3–11 Fine Middle Hard
No. 3–111 Fine Hard

Packed in cases running from 330 to 350 pounds.

We supply from five pounds upward.

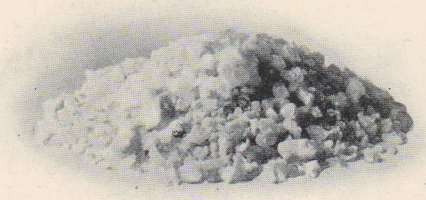
Oxalic Acid



We handle exclusively German Oxalic Acid, which we guarantee to be 99% pure. We are direct importers of this material. We receive our acid from Germany in casks, containing about one thousand pounds.

The prices of Oxalic Acid are continually changing. We shall be glad to quote our prices at any time for original casks, containing one thousand pounds, in barrels, containing three hundred pounds, or less than barrel lots. We ship from five pounds upward.

Salts of Sorrell



Salts of Sorrell is sometimes called second polish. It is used largely today by the marble trade all over the country. It is packed in barrels, containing about two hundred seventy-five pounds each.

Many marble concerns purchase a supply of both Oxalic Acid and Salts of Sorrell.

We supply any quantity from five pounds upward.

Ebsary Polishing Plaster

We are exclusive selling agents for Ebsary Polishing Plaster to the Granite trade.

Twenty-four years catering to the Granite trade has enabled us to determine accurately the most perfect plaster made for quick setting for granite beds. We can honestly say that Ebsary Polishing Plaster has met every test it has been put to. The goods are always thoroughly seasoned before shipping.

Ebsary Polishing Plaster is packed in 80-lb. paper bags when shipped in car lots. Less than full car loads, and when shipped from our Boston warehouse, all plaster is packed in wooden barrels.



Sand

We sell the original Plum Island and Ipswich Sand, any quantity desired from Boston Stock.

Combination Box For Granite

A Combination Box for those who have no power, is an actual necessity. We have been selling Combination Boxes for more than twenty years.

Our latest box is complete in every way, and the purchaser obtains a large variety of supplies, such as he has occasion to use daily.



Our Combination Box for Granite contains the following:

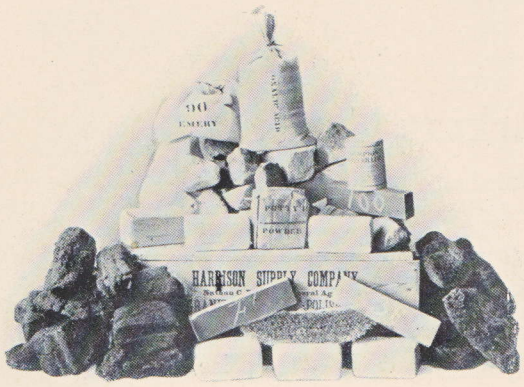
25 pounds No. 30 Diamond Grit
5 pounds No. 100 Carbolon
5 pounds Pure Turkish Flour Emery
3 pounds Famous White Putty Powder
5 assorted Carborundum Rubbing Bricks
1 box of Granite Stain Eradicator
6 Camwood Marking Sticks
1 piece of Red Marking Chalk
1 square foot of White Mexican Sheet Felt
1 Tampico Fibre Brush
1 Steel Wire Brush.

This box will last a small dealer many years and fills a real need for a small shop.

When ordering, state for Granite.

Combination Box for Marble

We sell the only Combination Box for marble that is on the market. This box contains the finest merchandise produced. If the same supplies were purchased at retail, they would cost more than twice the price we charge for our box complete.

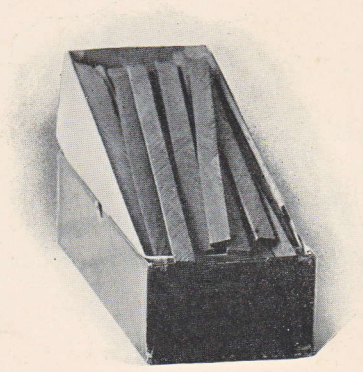


Combination Box for Marble contains:

2 lbs. Famous White Putty Powder
2 Pumice Brick, 3–1
2 Pumice Brick, 3–11
2 Pumice Brick, 3–111
5 lbs. No. 90 Turkish Emery
10 lbs. Imported Red Grit
10 lbs. Imported Blue Grit
10 lbs. Imported Brown Grit
5 lbs. Selected Lump Pumice Stone
5 lbs. Tam O'Shanter Scotch Hone
5 lbs. Oxalic Acid, 99% pure
1 Carborundum Brick No. 100
1 Carborundum Brick No. F
1 Carborundum Brick No. FFF
1 Can Champion Moss Killer
3 lbs. Selected Anclote Sponges
1 Tampico Fibre Brush

If you polish marble by hand you cannot make a better investment, and we advise all small dealers to purchase one of these boxes.

This box will pay for itself on one job. Order one today.



Camwood Marking Sticks

We sell only real Camwood, which comes from South Africa. We ship this material all over the world.

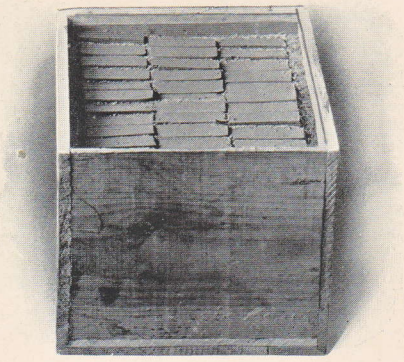
Camwood is packed in boxes containing one hundred sticks. We ship any quantity from six sticks upward.

Red Marking Chalk

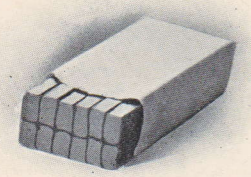
We have specialized on Red Marking Chalk for the stone trade for many years.

Our chalk is well and favorably known by the trade everywhere.

Don't buy inferior chalk when you can purchase the genuine article at the same price as inferior chalk.



Marble Filling Wax



We are large distributors of Marble Wax. We carry only pure material in stock at all times. Any color desired can be shipped by us promptly. There are about twelve sticks to the pound.

On account of our large sales for Marble Wax, our stock is always fresh, and orders are filled promptly at all times.

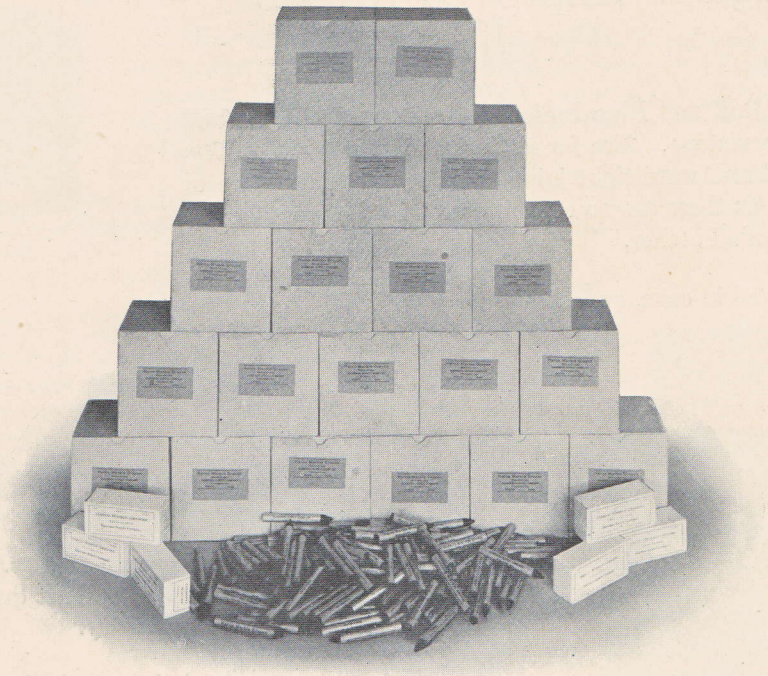
Don't buy inferior brands of Marble Wax. They will stain the marble.

[Our goods are guaranteed to be absolutely pure.

Superfine Orange Shellac

We are large distributors of Superfine Orange Shellac and can supply any quantity desired from five pounds upward.

Harco Brand Crayons



The Marble trade all over the country is familiar with our Harco Brand Red and Black Crayons. Exceptionally well made and of the right hardness to give perfect satisfaction.

Packed in boxes containing one dozen crayons and in cartons containing one gross each.

Sun No. 4 Pencils



We have specialized on Sun No. 4 Pencils for many years. We carry a large stock on hand, at all times, ready for immediate shipment.

Sun Pencils are packed in lots of six dozen to each box. We ship from one dozen pencils upward.

Dugan's Improved Invisible Patcher



For Buff and Blue Indiana Limestone, Redstone and Gray Sandstone. Also for setting monuments and vaults. Makes hard, watertight joints. Will not stain marble or granite, as there are no cements used in the manufacture of Dugan's Patcher.

Packed in cans, approximately 10 pounds.



Fix-All Cement

Fix-All is everything the name implies. Simply mix the powder with cold water, will set quickly, no especially prepared liquid necessary.

Packed in one, two and six-pound cans.

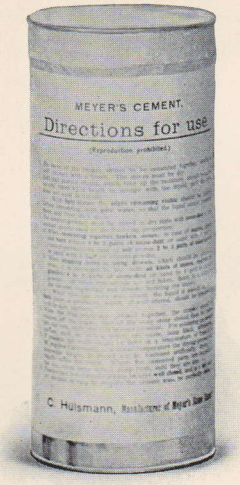
Meyer's Cement

We sell very large quantities of Meyer's Cement.

This Cement is best known of all patching cements now on the market.

It consists of powder and liquid complete in one box, with full instructions how to use correctly.

One kilo, two kilo, and four kilo boxes complete.



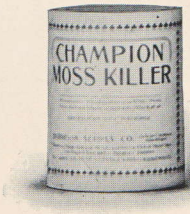
Granite Stain Eradicator



We guarantee our Eradicator to be the finest preparation upon the market for the permanent removal of oil, iron, sap and acid stains from granite. It is a dry powder, put up in a wooden box and the quality remains in the material until used.

On rough or hammered granite, the stain will be removed in one hour, and on polished granite in from twelve to twenty-four hours. Our reputation for selling only satisfactory merchandise is behind every box of Eradicator we sell.

Champion Moss Killer



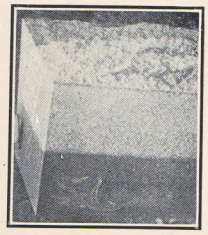
This material is used for cleaning all kinds of granite, marble, brownstone and limestone. It never fails to clean. Our Champion Moss Killer can be used for cleaning monuments, headstones, stone steps, stone walls and fine statuary; in fact, all kinds of granite and marble work, making old work as clean as when first cut.

We positively guarantee this preparation will not injure the stone in the least. It contains no acid, and is not an eradicator, but simply a cleaner. One can will clean three ten-foot monuments. Each can contains one pound of material.

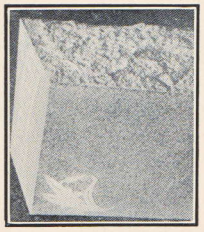
Cross Brothers' Paste

For those who prefer a liquid eradicator for removing all kinds of stains from granite.

Harrison's Marvel Cleaner



Half cleaned with Marvel Cleaner



Entire stone cleaned with Marvel Cleaner

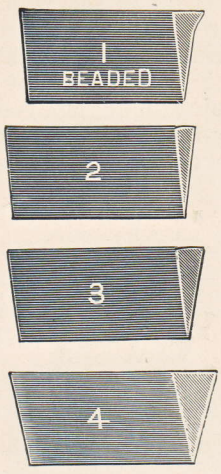
Granite Dealers and Manufacturers:

Have you a monument in your yard that is acid burnt? Or one that contains iron rust, sap or mill stains? Do you want to make this job clean and free from such defects?

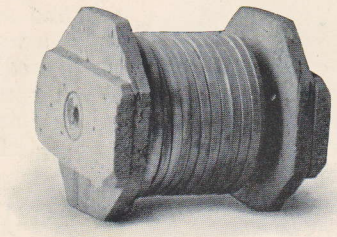
Then let our "MARVEL" cleaner — the wonder preparation of the granite age — do the work! Write us today! A trial order will convince you that "MARVEL" is an absolute essential and a valuable asset in any granite business. Let us prove it!

Wedge Lead

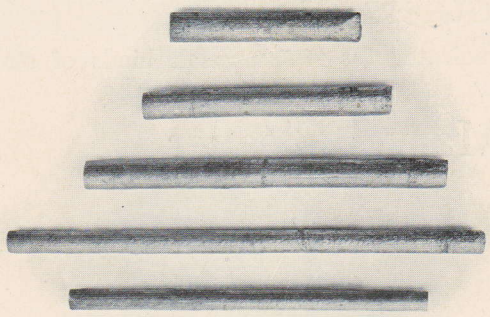
We are recognized as headquarters for pure Wedge Lead. Our lead is made exclusively for the monumental trade.



The illustration at the left shows the actual width and thickness of our Wedge Lead. Our customers should always order by number to prevent mistakes. Consider carefully the subject of purchasing Wedge Lead. Cheap lead is made from junk, which will cause the lead to leave stains on the granite or marble in the spring of the year. These stains are very costly to remove, and at times impossible to do so.



Galvanized Dowels



All of our Galvanized Dowels are made from the finest material, and are galvanized after the dowels are cut. In this way it is impossible for the dowels to stain the stone.

We carry in stock the following sizes:

⅜-inch diameter, 3 inches long
⅜-inch diameter, 4 inches long
⅜-inch diameter, 6 inches long
⅜-inch diameter, 8 inches long
½-inch diameter, 4 inches long
½-inch diameter, 6 inches long

Any special size can be supplied within ten days' time. Shall be glad to quote prices for special sizes.

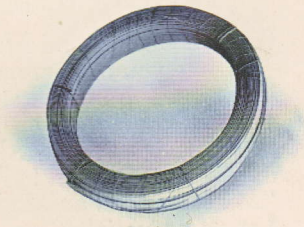
Galvanized Strap Iron

We sell strap iron made from galvanized rods, cold rolled, thus insuring great strength, whereas, most of the strap iron on the market today is hot rolled, with the result that it will break easily.

All of our strap iron has a long fibre and will stand an extremely heavy strain.

It is put up in reels, containing one thousand (1000) and three thousand (3000) feet. There are approximately twenty-five (25) feet to the pound.

We also sell the Black Strap Iron.



Sponges



We carry in stock two grades of the best Sponges that are practical for the marble and monumental trades.

Our Florida Yellow is the best sponge we handle. It is absolutely pure in every respect.

Florida Yellow are not loaded and are packed in bales containing from thirty-five pounds to fifty pounds each.

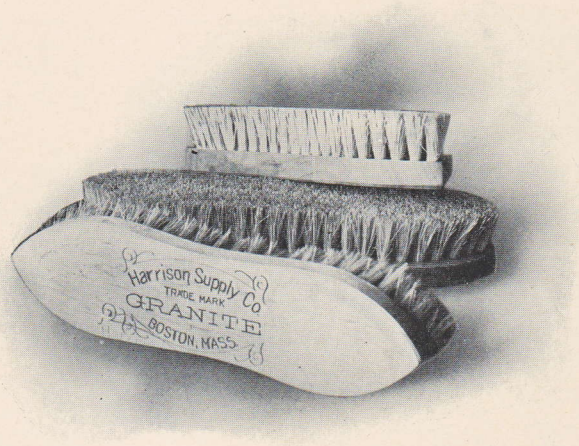


Our Superior Anclote Sponges are too well known by the trade all over the country for us to comment upon them at any length.

Sufficient to say, they are very strong and tough; will hold plenty of water and will wear for a long time. We have handled these goods for many years and know the requirements of our customers.

Anclote Sponges are packed in bales containing from sixty-five to one hundred and ten pounds each.

Tampico Fibre Brushes



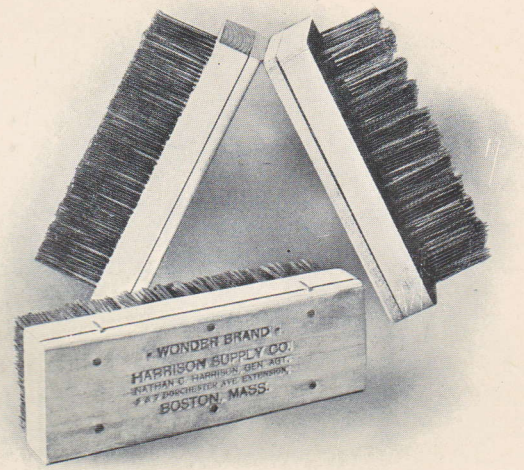
Our "Granite" Brand Tampico Fibre Brush, sold exclusively by us and used by the granite, marble and stone trades all over the country, is the finest brush of its kind manufactured. Our Tampico Brush is about ten inches long and nearly three inches broad. We guarantee these brushes to wear until nothing but the handle remains.

Genuine Tampico Fibre is very difficult to obtain. We are assured of a continuous supply of this pure fibre for our brushes. Don't buy a substitute for genuine Tampico Fibre; if you do, you will be disappointed in the quality you obtain.

Steel Wire Brushes

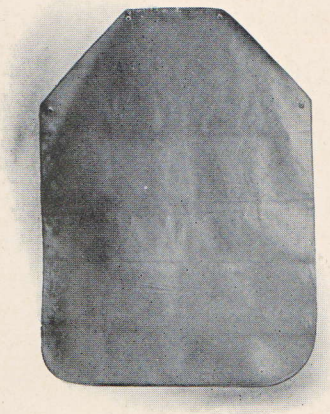
Our "Wonder" Brand is the standard brush used today by the trade. These brushes are seven and one-half inches long and two and one-half inches broad, containing five rows broad and twelve rows long of the best steel wire that can be obtained.

Many years of experience in selecting steel wire for brushes has enabled us to stock a brush (made expressly for us) that we can guarantee will satisfy any granite dealer.



Rubber Aprons

We illustrate below Rubber Apron used by granite and marble polishers. Those for granite polishers are made from black rubber, double coated on drill, strong and durable. Sizes 3, 4 and 5, measuring 44 inches, 46 inches and 48 inches long, respectively.



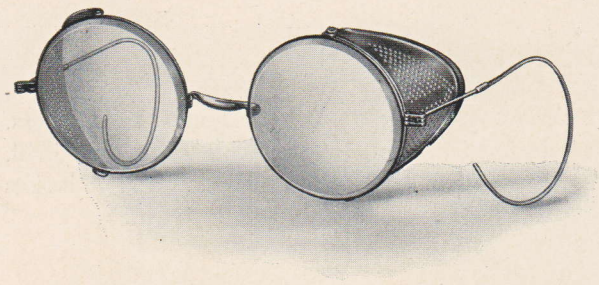
Our Rubber Apron for marble polishers is made from white double-coated stock. This style of apron is designed for work where acids are used, and white stock withstands the action of the acids better than the black, and the sizes are made 3, 4 and 5, measuring 44 inches, 46 inches and 48 inches long, respectively.

While it is impossible to give any guarantee with an article of this kind, we can and will say that they are made as well as it is possible to make a Rubber Apron, and with fair treatment will last a long time, and give good satisfaction.

We will name special prices in lots of one dozen and upward.

Stone Cutters' Glasses

We stock three different kinds of Stone Cutters' Glasses to suit the requirements of any taste.



Our leader is our No. 274 a real Goggle and the most adaptable protector yet offered the trade. Fitted with two-inch extra thick protecting lenses. Fitted with cable temples, which are fastened to the metal shield side cups. Extra lenses supplied from stock. Face protector packed in a folding box. The cheapest and most satisfactory Stone Cutters' Glass manufactured.

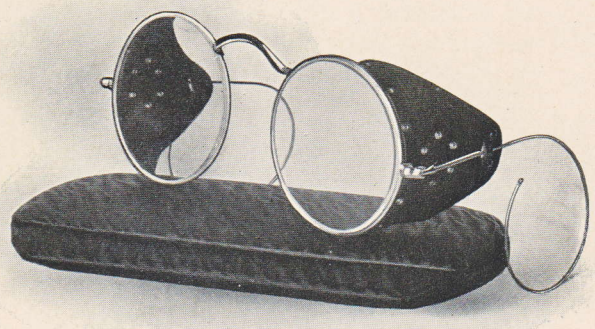
Albex Eye Protector

Endorsed by Employers' Liability Insurance Companies

Specially designed for protecting the eyes from flying particles, dust and glare. Used by Stone Cutters.

These eye protectors are effective without being uncomfortable, and are well ventilated. They are substantially constructed, but are not too heavy for constant use.

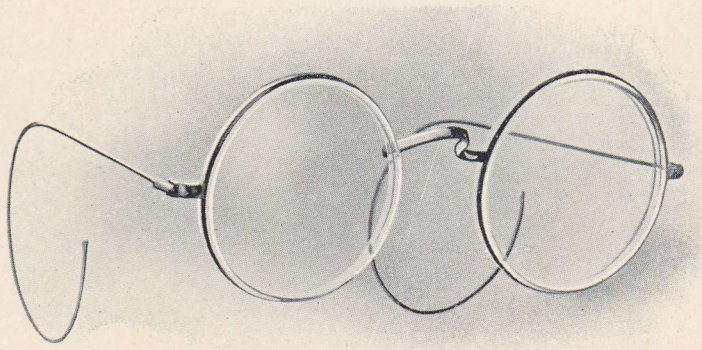
Albex Eye Protectors are glazed with extra thick white glass for special protection.



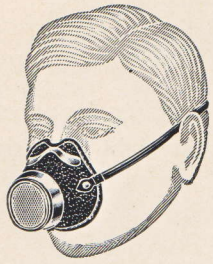
Stone Cutters' Glasses

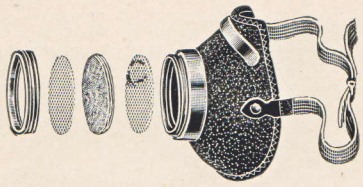
We also sell the finest grade of Stone Cutters' Glasses. Extra fine lenses of the best quality have been used by monumental men for many years.

Glasses and extra lenses always carried in stock ready for prompt shipment.



"The Universal" Respirator





Nos. 73 and 74

Equally as important as eye protection for the granite cutter, is the use of a suitable respirator.

The great quantity of dust found in the sponge when cleansed, sufficiently demonstrates the protection given to men working in an atmosphere filled with stone dust.

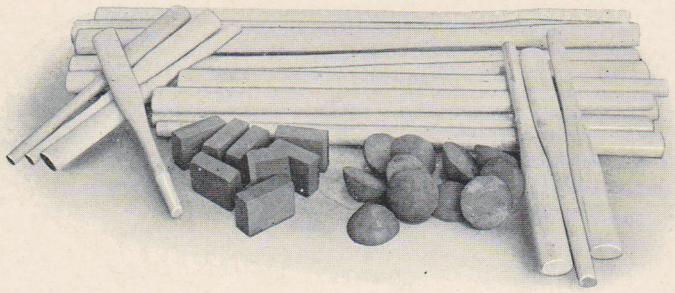
The "Universal" Respirator can be furnished with either leather or rubber frame, fitted with screw cap over cup receptacle for holding sponge and screen filters.

This respirator incorporates all of the favorable features of a respirator and has no equal.

No. 73 with Leather Frame.

No. 74 with Rubber Frame.

Connecticut Hickory Hammer Handles



We carry the finest and most complete line of Hammer Handles manufactured.

We sell only second-growth Connecticut Hickory straight-grained Hammer Handles.

Our No. 1 Lettering Hammer Handle is 10″ long.
Our No. 2 Hand Hammer Handle, good sized eye, 12″ long.
Our No. 3 Tool Sharpeners' Hammer Handle, very fine, 14″ long.
Our No. 6 Hand Hammer Handle, very popular, 14″ long.
Our No. 8 Hand Hammer Handle, crooked, 14″ long.
Our No. 9 Hand Hammer Handle, Barre, our best seller, 13″ long.

Pean Hammer Handles

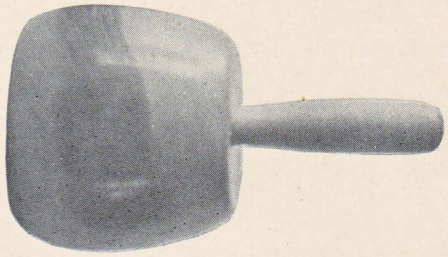
We supply the following sizes: 18″ long, 20″ long, 22″ long and 24″ long.

Strikers' Hammer Handles

Our Renowned Strikers' Hammer Handles are 30″ long; extra quality. We have a cheaper grade also 30″ long.

You will save money by purchasing our Hammer Handles.

Stone Cutters' Mallets

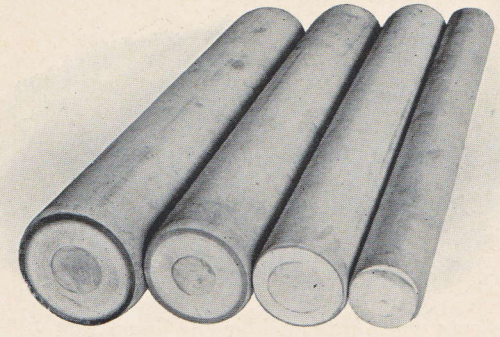


We sell only one kind of Mallet, namely those made from the extra fancy quality hickory, made by one concern for more than sixty-five years. These mallets are without a doubt the finest manufactured. The weights are as follows:

XXX Extra 3 lbs.
XXX Extra 3¾ lbs.
XXX Extra 4 lbs.
XXX Extra 4½ lbs.
XXX Extra 5 lbs.
XXX Extra 5½ lbs.
XXX Extra 6 lbs.
XXX Extra 6½ lbs.
XXX Extra 7 lbs.
XXX Extra 7½ lbs.
XXX Extra 8 lbs.

Hornbeam Rollers

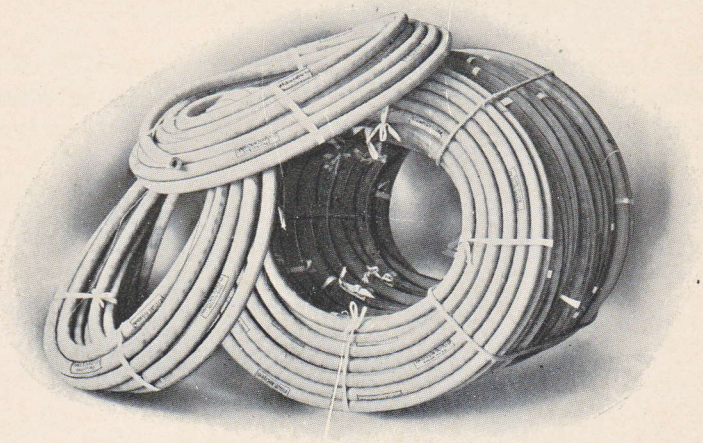
We handle the original Hornbeam Rollers. It is conceded by all stone men that Hornbeam Rollers are the most satisfactory that can be obtained, from the fact that they will not split or crack.



Our Hornbeam Rollers come in any thickness from 3 inches to 10 inches and in the following lengths:

8 feet	4 feet
7 feet	3 feet 6 inches
6 feet	3 feet
5 feet	2 feet 6 inches

Pneumatic Tool Hose



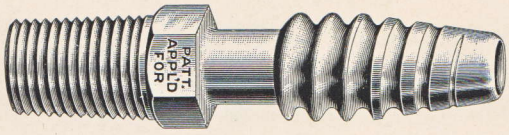
We herewith illustrate what we consider the finest ⅜″, ½″ and ¾″ Pneumatic Tool Hose manufactured. All of our Hose is made for the stone trade. We know well the requirements of this business, and we can safely guarantee every piece of hose we ship.

All of our Pneumatic Tool Hose is manufactured in pieces fifty (50) feet long, and is branded with our name for your protection. We do not ship less than twenty-five feet (25′) of hose to any one customer.

It is to your advantage to purchase your entire supply of Pneumatic Tool Hose from us.

We supply Hose for Sand Blast equipment and all sizes for quarry use, wire wound.

Stacey Steel Hose Nipples



The Most Perfect of All Pneumatic Tool Hose Nipples

The only steel nipple manufactured that can be used on any ordinary pneumatic tool hose without the use of wire fasteners or hose bands, on account of forming a vacuum and forcing the hose to lock upon the nipple. On a very old and much worn hose, use only a spring in connection with the Stacey Steel Nipple, as per illustration below.

These nipples are made from the very best steel obtainable, and each nipple is properly tempered, so that it will not destroy the threads in pneumatic tools. We guarantee each nipple to give excellent satisfaction.

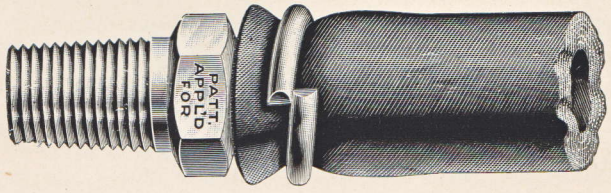
You will notice from the illustration of nipple how simple to insert the hose.

The only nipple manufactured that positively will not tear the inner tubing of hose.

The only nipple manufactured with left-handed thread, which insures nipple remaining in hose whenever unscrewing pneumatic tool.

The only nipple manufactured that can be removed from pneumatic hose without cutting hose or injuring tubing.

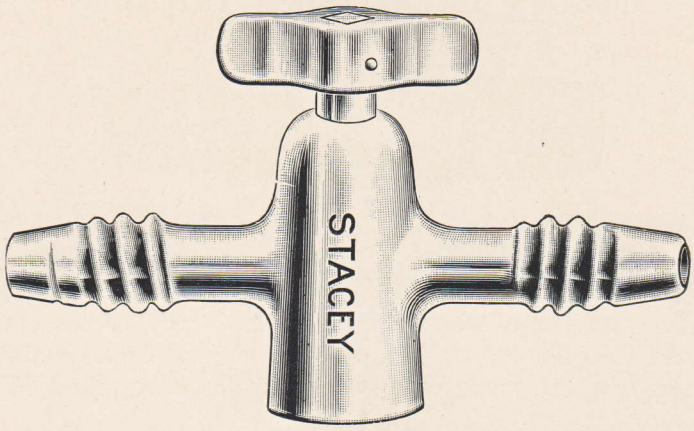
Everyone who has used the nipples has pronounced them the most satisfactory they have ever used, and the saving in time alone quickly pays for the nipples.



Stacey Steel Nipple in soft and worthless piece of hose, showing that any hose which can stand air pressure will hold a Stacey Steel Nipple with use of spring.

Stacey Stop-Cocks

The Acme of Perfection in Pneumatic Stop-Cocks



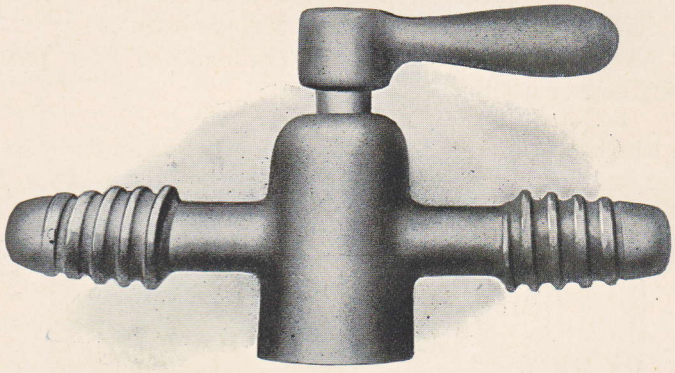
The above illustrates from actual tests the most perfect compressed air stop-cock manufactured.

It contains the principle of the famous Stacey Steel Nipple for inserting and remaining in pneumatic tool hose.

On account of the perfect construction of the interior of the Stacey Stop-Cock it positively will not leak.

The Stacey Stop-Cock contains right and left-handed thread, and can be quickly and easily inserted in each hose.

Will remain self-oiled for at least six months.



Examine carefully the construction of the Stacey Stop-Cock; note the washer between plug and spring, thus preventing wear of plug or spring.

The plug becomes oiled each time the valve is opened.

It is impossible for the air to escape either at the top or bottom of the stop-cock, on account of the crown head at top and screw cap at bottom.

The construction of the Stacey Stop-Cock practically eliminates wearing of all working parts.

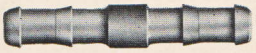
Be particular to note the prices are the same as those charged for other stop-cocks.

Iron Hose Nipples



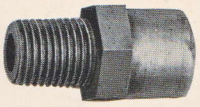
These are used on end of hose attached to main supply pipe. Supplied in ⅜-inch, ½-inch and ¾-inch sizes.

Hose Mending Nipples



A very handy, and convenient nipple for mending hose. Supplied in ⅜-inch, ½-inch and ¾-inch sizes.

Male and Female Nipples



These are made of the highest grade cold drawn steel and case hardened. Supplied in ¼-inch male end, ¼-inch female end and ⅜-inch male end, ¼-inch female end. We also sell Plug Drill Nipples.

Surfacer Throttle Cocks

A special cock designed for use with Surfacing Machines. The body is of extra heavy construction and will withstand the hard knocks without leakage. These are furnished in two sizes. The ½ inch has ½-inch male pipe thread and is for ½-inch hose. The ¾ inch has ¾-inch male pipe thread and is for ¾-inch hose.

Plug Drill Wrenches



Used for turning plug drill bits when drilling. Are drop-forged and case-hardened, and will last a long time.

Improved Double Hose Bands



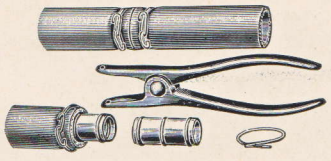
Nothing as good; guaranteed to withstand any pressure. We have no hesitancy in saying these bands are the best invention yet found to securely fasten the hose to the coupling or nipple.

Wire Bands



A quick and efficient means for attaching hose to fittings. Supplied for ⅜-inch, ½-inch or ¾-inch hole.

Pliers



Made especially for use with the above hose wires, the wires being tightened by the opening of the jaws of the pliers on pressure of the handles.

Tools for Pneumatic Hammers



Machine Chisel Blank

NUMBER	SIZE STOCK	SIZE SHANK	AVERAGE WEIGHT PER 100
500	3/8 inch	3/8 inch	34 pounds
501	1/2 inch	3/8 inch	58 pounds
502	1/2 inch	1/2 inch	62 pounds
503	5/8 inch	1/2 inch	85 pounds
504	5/8 inch	5/8 inch	90 pounds
505	3/4 inch	1/2 inch	100 pounds
506	3/4 inch	5/8 inch	105 pounds



Machine Chisel

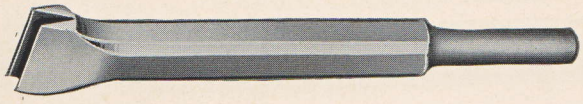
NUMBER	SIZE STOCK	SIZE SHANK	AVERAGE WEIGHT PER 100
507	3/8 inch	3/8 inch	34 pounds
508	1/2 inch	3/8 inch	58 pounds
509	1/2 inch	1/2 inch	62 pounds
510	5/8 inch	1/2 inch	85 pounds
511	5/8 inch	5/8 inch	90 pounds
512	3/4 inch	1/2 inch	100 pounds
513	3/4 inch	5/8 inch	105 pounds



Splitter or Cape Chisel

NUMBER	SIZE STOCK	SIZE SHANK	AVERAGE WEIGHT PER 100
514	3/8 inch	3/8 inch	30 pounds
515	1/2 inch	3/8 inch	47 pounds
516	1/2 inch	1/2 inch	52 pounds
517	5/8 inch	1/2 inch	75 pounds
518	5/8 inch	5/8 inch	80 pounds

Tools for Pneumatic Hammers



Double Blade Chisel

NUMBER	SIZE STOCK	SIZE SHANK	WIDTH BLADE
519	⅝ inch	½ inch	1¼ inches
520	⅝ inch	⅝ inch	1¼ inches
521	¾ inch	½ inch	1½ inches
522	¾ inch	⅝ inch	1½ inches



Cleaning up Chisel

NUMBER	SIZE STOCK	SIZE SHANK	AVERAGE WEIGHT PER 100
523	½ inch	½ inch	62 pounds
524	⅝ inch	½ inch	82 pounds
525	⅝ inch	⅝ inch	86 pounds
526	¾ inch	⅝ inch	100 pounds



Tooth Chisel

NUMBER	SIZE STOCK	SIZE SHANK	NUMBER OF TEETH
527	⅝ inch	½ inch	4 or 9
528	⅝ inch	⅝ inch	4 or 9
529	¾ inch	½ inch	4, 9 or 16
530	¾ inch	⅝ inch	4, 9 or 16

Tools for Pneumatic Hammers



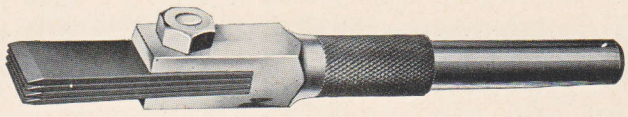
Ripper

NUMBER	SIZE STOCK	SIZE SHANK	SIZE OF CUTTING SURFACE
531	½ inch	½ inch	¼ inch x 1 inch
532	⅝ inch	½ inch	¼ inch x 1¼ inches
533	⅝ inch	⅝ inch	¼ inch x 1¼ inches



Carvers' Drill

NUMBER	SIZE STOCK	SIZE SHANK	AVERAGE WEIGHT PER 100
534	½ inch	½ inch	60 pounds
535	⅝ inch	⅝ inch	82 pounds



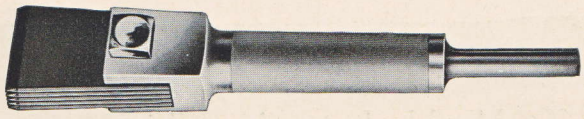
Harrison Baby Carving Chisel

A tool the trade has been in great need of for many years. We are the only concern selling this tool.

It is used for cutting in and around raised letters, also for cutting round raised granite letters. For this purpose it has no equal, as four or six blades do the work that was formerly done by one blade.

This chisel is only six inches long and is filled with four or six cuts, ¾-inch broad.

Tools for Pneumatic Hammers



Bush Chisel

For use with Bushing Tool or Hand Surfacer.
Size 0, ¾-inch opening, $\frac{11}{16}$-inch shank, furnished with from 4 to 14 blades.



Tooth Chisel

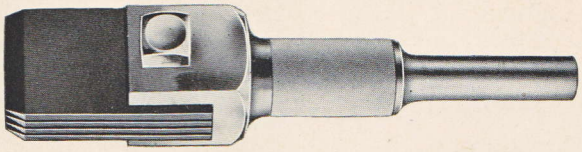
For use with Bushing Tool or Hand Surfacer.
Made of ⅞-inch steel, $\frac{11}{16}$-inch shank, length over all, 6 inches.



Plug Drill Bit

Made of ¾-inch square, Black Diamond Steel.
Made of ¾-inch square, Peerless Extra Steel.
Standard Shank $\frac{11}{16}$-inch by 2½ inches.

Made of ¾-inch quarter octagon Black Diamond Steel.
Made of ¾-inch quarter octagon Peerless Extra Steel.
Standard Shank $\frac{11}{16}$-inch by 2½ inches.



Bush Chisel

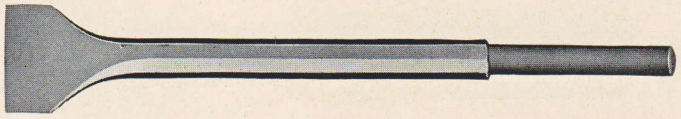
NUMBER	SIZE	OPENING FOR BLADES	NUMBER OF BLADES
536	No. 1	¾ inch	4 to 14
537	No. 2	⅝ inch	4 to 12
538	No. 3	½ inch	3 to 10
539	No. 4	⅜ inch	3 to 7
540	No. 5	$\frac{5}{16}$ inch	3 to 6
541	No. 6	¼ inch	2 to 5

Tools for Pneumatic Hammers



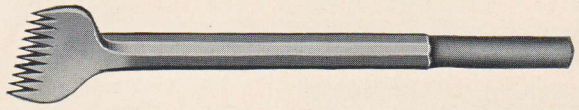
Marble Lettering Chisel

NUMBER	SIZE STOCK	SIZE SHANK	AVERAGE WEIGHT PER 100
542	3/8 inch	3/8 inch	25 pounds
543	1/2 inch	3/8 inch	40 pounds
544	1/2 inch	1/2 inch	50 pounds



Marble Cutting Chisel

NUMBER	SIZE STOCK	SIZE SHANK	WIDTH BLADE
545	3/8 inch	3/8 inch	Up to 1 inch
546	1/2 inch	1/2 inch	Up to 1 1/2 inches
547	5/8 inch	1/2 inch	Up to 2 1/2 inches
548	5/8 inch	5/8 inch	Up to 2 1/2 inches
549	3/4 inch	1/2 inch	Up to 3 inches
550	3/4 inch	5/8 inch	Up to 3 inches



Marble Tooth Chisel

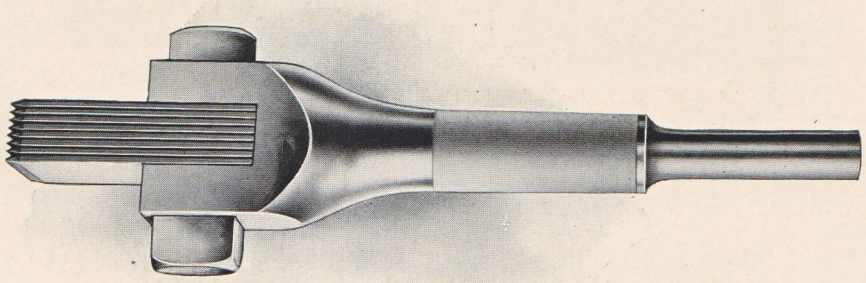
NUMBER	SIZE STOCK	SIZE SHANK	WIDTH BLADE
551	3/8 inch	3/8 inch	Up to 1 inch
552	1/2 inch	1/2 inch	Up to 1 1/2 inches
553	5/8 inch	1/2 inch	Up to 2 1/2 inches
554	5/8 inch	5/8 inch	Up to 2 1/2 inches
555	3/4 inch	1/2 inch	Up to 3 inches
556	3/4 inch	5/8 inch	Up to 3 inches

Channelling Tools

Size No. 1 will cut 6 inches deep, width of blade, 9/16 inch.
Size No. 2 will cut 6 inches deep, width of blade, 3/4 inch.
Size No. 3 will cut 12 inches deep, width of blade, 9/16 inch.
Other sizes to order.

To cut channel 6 inches or less deep, use No. 1.
To cut channel 6 inches to 12 inches deep, use both No. 2 and No. 3.

Tools for Pneumatic Hammers



SURFACER BUSH CHISEL

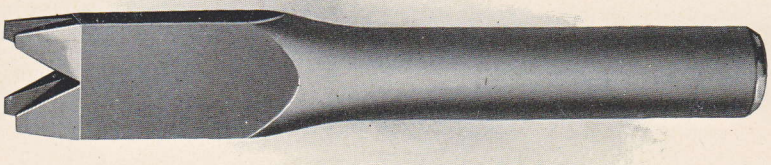
The above Bush Chisel is made in three sizes: 1¼-inch opening for use with small Surfacers, 1½-inch opening to be used with large Surfacers.

SIZES IN STOCK

NO.	SIZE	SIZE SHANKS UNLESS OTHERWISE SPECIFIED	NUMBER OF BLADES FOR 4, 6, 8, 10 AND 12 CUT WORK				
			4 cut	6 cut	8 cut	10 cut	12 cut
557	1¼″	1¼ x 4½ inches	4	8	11	16	20
558	1½″	1½ x 6½ inches	4	9	13	20	25
559	2″	1½ x 6½ inches	6	12	16	25	30

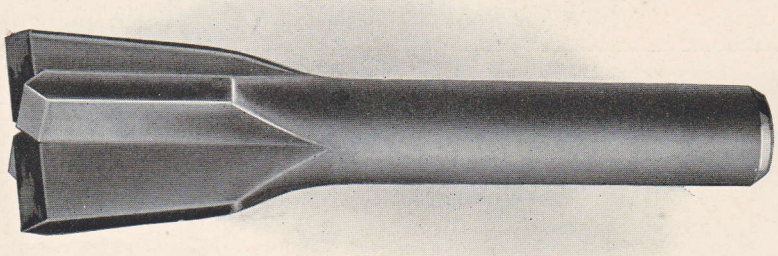
Chisels with other size shanks, and any number of blades, furnished to order.

Tools for Pneumatic Hammers



SURFACER TOOTH CHISEL

For large Surfacer. Made of 1½-inch Square Tool Steel.
For small Surfacer. Made of 1⅜-inch Square Tool Steel.



SURFACER CROSS CHISEL

For large Surfacer and also for small Surfacer.

Hand Cutting Tools



Point

NUMBER	SIZE OF STOCK	AVERAGE WEIGHT PER 100
560	3/8 inch	35 pounds
561	1/2 inch	55 pounds
562	5/8 inch	82 pounds
563	3/4 inch	120 pounds
564	7/8 inch	175 pounds
565	15/16 inch	200 pounds
566	1 inch	225 pounds



Chisel

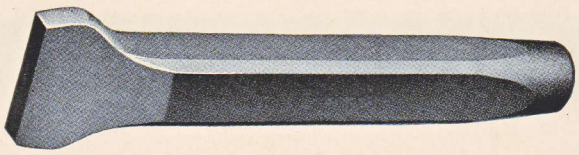
NUMBER	SIZE OF STOCK	AVERAGE WEIGHT PER 100
567	3/8 inch	35 pounds
568	1/2 inch	55 pounds
569	5/8 inch	82 pounds
570	3/4 inch	120 pounds
571	7/8 inch	160 pounds
572	15/16 inch	175 pounds
573	1 inch	200 pounds



Chipper

NUMBER	SIZE OF STOCK	WIDTH BLADE
574	1/2 inch	1 inch
575	5/8 inch	1 1/4 inches
576	3/4 inch	1 1/2 inches
577	7/8 inch	1 3/4 inches

Hand Cutting Tools



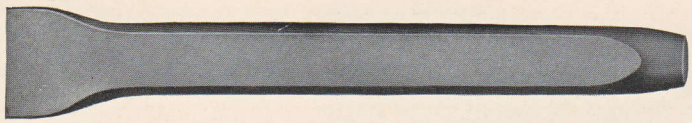
Set or Pitching Tool

NUMBER	SIZE OF STOCK	WIDTH BLADE
578	¾ inch	1⅜ inches
579	⅞ inch	1½ inches
580	1 inch	1¾ inches
581	1⅛ inches	1⅞ inches
582	1¼ inches	2 inches



Plug Drill

NUMBER	STYLE	SIZE OF STOCK	AVERAGE WEIGHT PER 100
583	Regular	¾ inch	200 pounds
584	Paving Small Bit	¾ inch	185 pounds
585	Paving Small Bit	⅝ inch	140 pounds



Tracer

NUMBER	SIZE OF STOCK	WIDTH BLADE
586	¾ inch	1½ inches
587	⅞ inch	1¾ inches
588	1 inch	2 inches

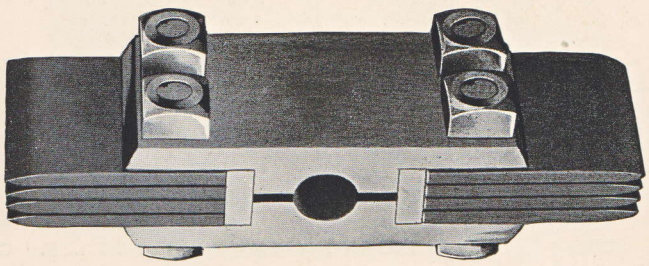
Iron Winding Blocks

Top and Bottom Faces Machined to Exact Size.
2″ per set of four. 2½″ per set of four. 3″ per set of four.

Pneumatic Tool Oil

Put up in one gallon cans.

Hand Cutting Tools



Bush Hammer

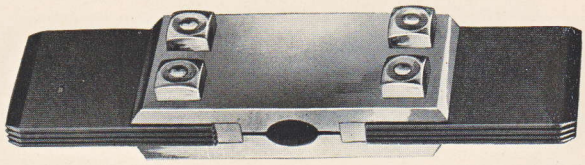
Our Patent Bush Hammer is well known and is in universal use, nearly ten thousand having been made and sold within the past few years. It has given satisfaction wherever used. The cuts rest on a hardened steel gib which insures a lively working hammer. The cuts are made of the best steel obtainable. The workmanship and finish are superior to that of any other bush hammer on the market.

The hammers we carry in stock are filled with cuts as listed below. If a different number of cuts is wanted, we will fill any hammer, sizes one to five, with any number of cuts in each end up to twelve. Order by number, stating size of opening and number of cuts wanted in each end.

New cuts for refilling our hammers can be had by sending us the number of the hammer and stating the number of cuts wanted; it is not necessary to send the pole. We also refill hammers of other makes in a first-class manner; in ordering for such other makes, it is necessary to either send the pole or an outline drawing showing the location of the bolt holes, and stating the exact size of opening of jaws.

NUMBER	SIZE	OPENING IN INCHES	WEIGHT IN LBS.	CUTS PER END
589	No. 1	$\frac{15}{16}$ or 1	10½ and 11	4 or 5
590	No. 2	$\frac{13}{16}$ or $\frac{7}{8}$	9 and 9½	6
591	No. 3	$\frac{3}{4}$ or $\frac{13}{16}$	7 and 7½	8
592	No. 4	$\frac{5}{8}$ or $\frac{11}{16}$	6 and 6½	10
593	No. 5	$\frac{9}{16}$ or $\frac{5}{8}$	4½ and 5	12

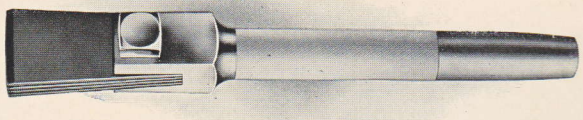
Hand Cutting Tools



Scotia Hammer

NUMBER	SIZE	OPENING IN INCHES	WEIGHT IN LBS.	CUTS PER END
594	Light Scotia	3/8	2	4 and 6
595	Medium Scotia	3/8	3 1/2	4 and 6
596	Heavy Scotia	1/2	4 1/2	5 and 7

New cuts, per set (both ends), any number of cuts to 10.

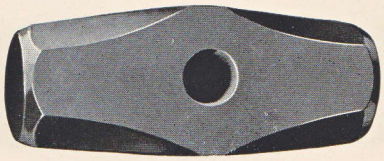


Hand Bush Chisel

NUMBER	SIZE	OPENING FOR CUTS IN INCHES	NO. OF CUTS
597	No. 1	3/4	4 to 14
598	No. 2	5/8	4 to 12
599	No. 3	1/2	3 to 10
600	No. 4	3/8	3 to 7
601	No. 5	5/16	3 to 6
602	No. 6	1/4	2 to 5

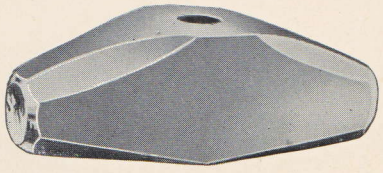
Extra sets of cuts can be had at any time by sending number of chisel.

Hand Cutting Tools



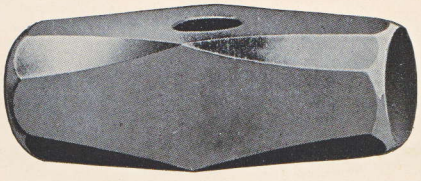
Cutters' Hand Hammer

2 pounds and less.
Over 2 pounds to 2¼ pounds.
Over 2¼ pounds to 2½ pounds.
Over 2½ pounds to 2¾ pounds.
Over 2¾ pounds to 3 pounds.
3 pounds and over.



Drilling Hammer

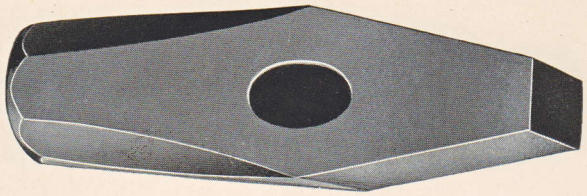
Made in weights from 3 to 4½ pounds.



Striking Hammer

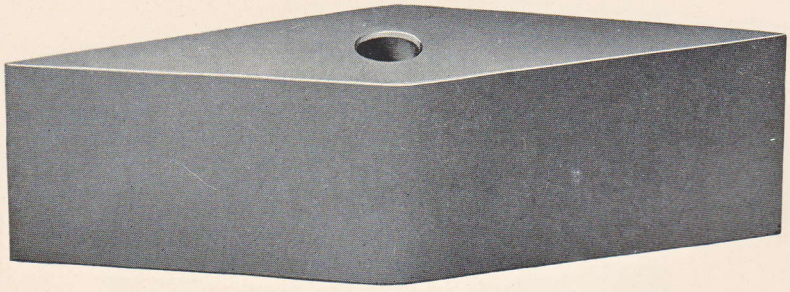
Carried in stock in weights from 6 to 16 pounds.

Hand Cutting Tools



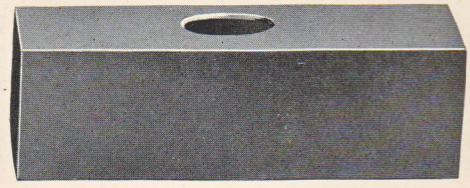
Bull Set

Carried in stock in weights from 8 to 14 pounds. Size ordinarily used, 11 pounds.



Pean Hammer

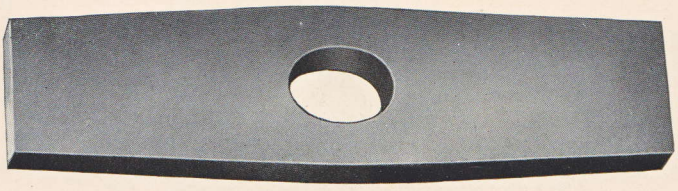
Carried in stock in weights from 6 to 10 pounds.



Paving Cutters' Side Hammer

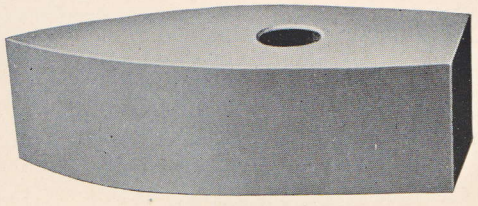
Carried in stock in weights from 4 to 7 pounds.

Hand Cutting Tools



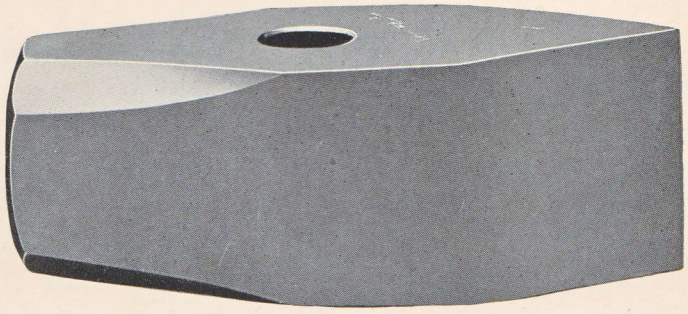
Paving Cutters' Reel

Carried in stock in weights from 5 to 7 pounds.



Paving Cutters' Mash Hammer

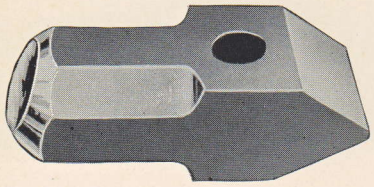
Made in blunt pean pattern, besides regular pattern as shown.
Carried in stock in weights from 12 to 16 pounds.



Paving Cutters' Buster

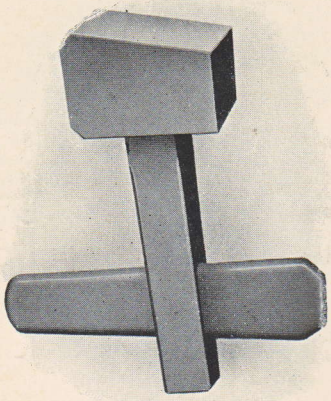
Carried in stock in weights from 5 to 7 pounds.

Sharpeners' Tools



Bevel Face Sharpeners' Hammer

Made with straight or side beveled face, as desired. 3 to 3½ pounds, or over.



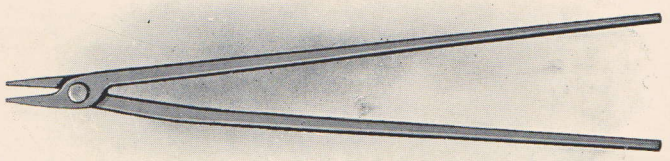
Ordinary Stake

In ordering, state size and depth of hole in anvil.

Surfacer Tooth Chisel Stake

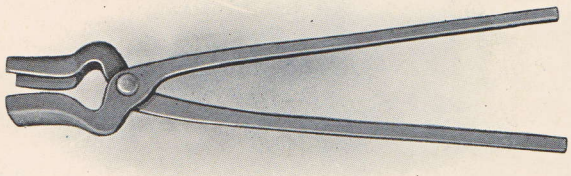
In ordering, state size and depth of hole in anvil.

Sharpeners' Tools



Pneumatic Chisel Tongs

No. 603. For tools with 3/8-inch shank
No. 604. For tools with 1/2-inch shank
No. 605. For tools with 5/8-inch shank

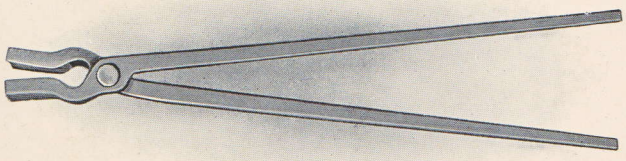


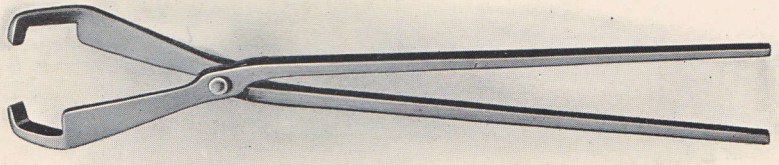
Hand Point and Chisel Tongs

No. 606. For tools 3/8 inch.
No. 607. For tools 1/2 inch.
No. 608. For tools 5/8 inch.
No. 609. For tools 3/4 inch.
No. 610. For tools 7/8 inch.
No. 611. For tools 1 inch.
No. 612. For tools 1 1/4 inch.

Surfacer Tooth Chisel Tongs

No. 613. For 1 1/4-inch shanks.
No. 416. For 1 1/2-inch shanks.

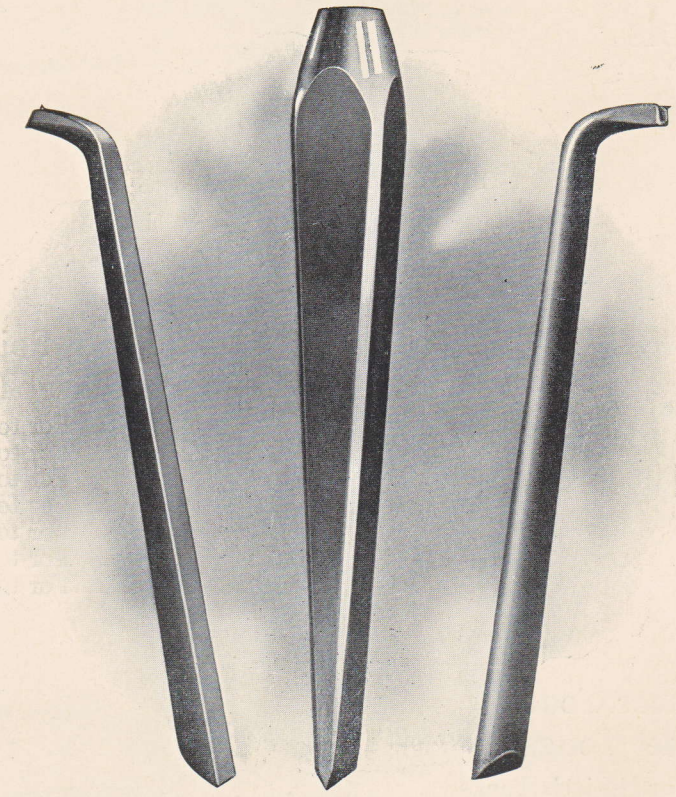




Pean Hammer Tongs

Small, for 6 to 8 pound hammers; Large, for 8 to 10 pound hammers.

Wedges and Shims



SIZES

NUMBER	WEDGES SIZE NO.	WEDGES LENGTH	WEDGES SIZE STEEL	SHIMS SIZE NO.	SHIMS TO BE USED WITH
615	1	2 1/4	7/16 Square	1	No. 1 wedges
616	2	2 1/2	1/2 x 7/16	2	No. 2 wedges
617	3	2 3/4	1/2 x 1/16	3	No. 3 wedges
618	4	3	1/2 Square	4	No. 4 wedges
619	5	3 1/2	1/2 Square	5	No. 5 wedges
620	6	3 3/4	9/16 x 1/2	6	No. 6 wedges
621	7	4	5/8 x 1/2	7	No. 7 wedges

We also make a wedge expressly for plugging (not shown in cut), thicker at the point and less taper.

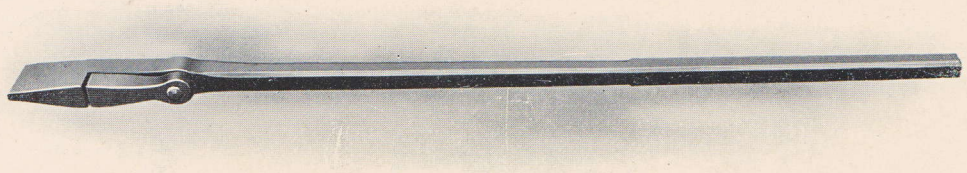
Deep Hole Wedges and Shims

ANY SIZE TO ORDER

Large Soft Steel Wedges

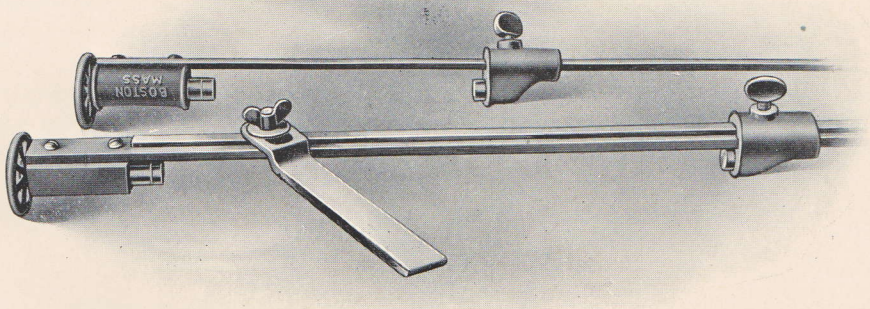
For use on quarries. Commonly called Gluts.
Made of any size steel up to two and one-half inches square.

Miscellaneous



Boxing Tongs

For use in strapping boxes with band iron. Large and small.



Straight Edge

Three feet, five feet and seven feet.

In each size, the greatest spread between the head and tailpieces is six inches less than the full length of the straight edge as listed.

Extra Lead plugs.

Straight Edge with Bevel Angle Attachment

Enables operator to guide his cutting point safely and accurately around all letters, and he gets a perfect alignment.

Three feet, five feet and seven feet.

Harrison Pneumatic Tools



Harrison Valveless Carving and Lettering Tool

The best possible recommendation we can offer you to use our line of Pneumatic Tools is our guarantee, which we will back to the letter.

We guarantee all tools free from imperfections in material, or workmanship, and any broken or defective part or parts will be replaced free of charge if returned to us within one year from date of purchase. Naturally, this does not apply to repairs or replacements due to abuse or neglect.

Our Hand Tools are made in five sizes, suitable to cover a variety of work, from the heaviest cutting to the most delicate tracing, as well as light peaning and bushing.

There are but three parts to the Harrison Carving Tools, viz.: Cylinder, piston and butt-piece, and all parts are made from the most expensive special steel. Wearing parts are hardened and accurately ground, and all parts of each tool are absolutely interchangeable.

Chisel Shanks

Many Pneumatic Tools are rendered useless by using Chisels with shanks too small or having tapered or rounded heads.

Always keep the shank *to size* and *square on the head.*

When the shank fits the tool too loosely, it causes the bushing to wear out in a very short time.

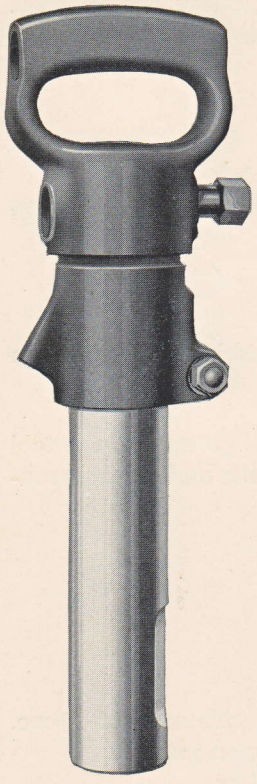
If the shank is allowed to wear tapered or rounded, it will go up into the tool too far, reducing the strength of the blow, and either burring the bushing or breaking the teat of the hammer.

Size of Hand Tools

SIZE	PISTON DIAMETER IN INCHES	
A . . .	5/8	Finest carving and lettering on marble and soft stone.
AB . . .	3/4	Light carving, tracing and lettering on granite.
BC . . .	7/8	Heavy carving and large raised letters.
C . . .	1	Heavy carving, large raised letters and roughing.
D . . .	1 1/4	Roughing, peaning and bushing.

Sizes A, AB, BC and C require chisels with half-inch shank; size D requires chisel with five-eighths inch shank. Care should be taken to use tools with shank of full size to properly fit the nose, as an undersized shank will cause breakage of the pistons.

Harrison Pneumatic Plug Driller



Description of Plug Driller

This tool is of the valve type, very powerful, and is designed for drilling Plug and Lewis holes. It will drill a $\frac{5}{8}$-inch or $\frac{3}{4}$-inch hole 3 inches deep in from 18 to 35 seconds, depending on the hardness of the stone, and the air pressure carried.

In the shop, it is invaluable for plugging, cutting Lewis holes and various kinds of work. The tool requires about 12½ feet of free air per minute at from 60 to 80 pounds pressure, but the very highest efficiency is obtained at 80 pounds.

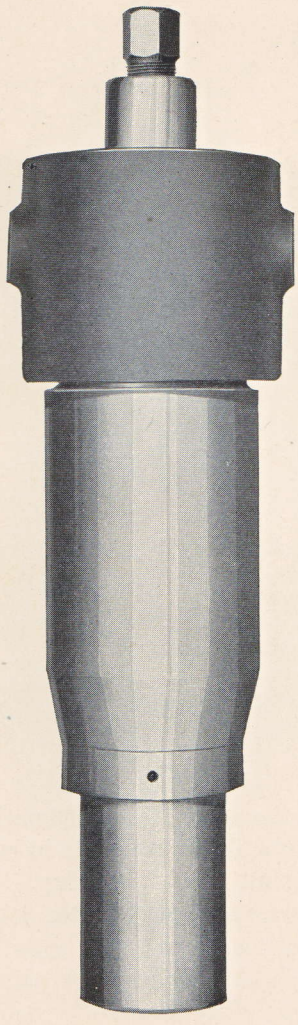
This tool is not an experiment. It has been in use in all the large quarries here and abroad for the past fifteen years. It will displace at least four men drilling by hand, and requires but very little practice for anyone to become an expert operator.

All parts are made of special steel, all wearing parts are hardened and accurately ground to size. All parts of the drill are absolutely interchangeable.

Drill is fully guaranteed.

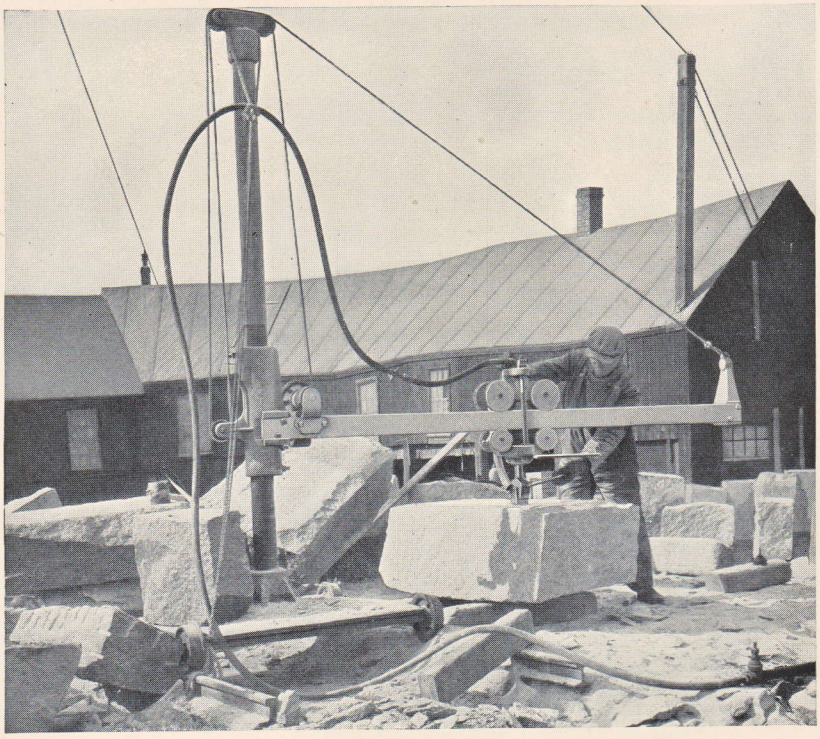
The drill is equipped with our automatic shut off handle, which, on being pressed down to its work, automatically operates the throttle and reduces the vibration to a minimum.

The Harrison "Bull" Improved Large Surfacing Tool



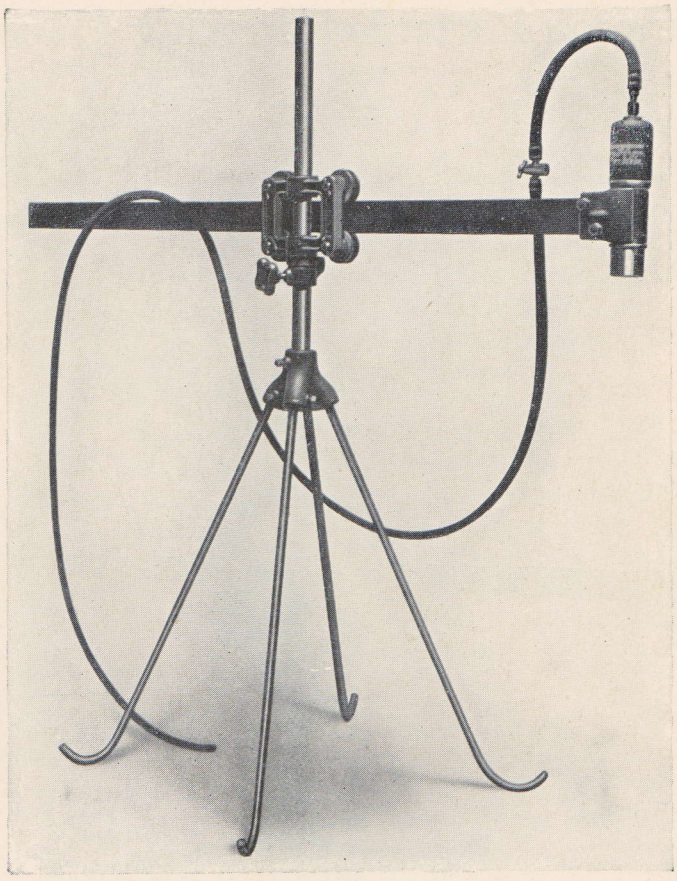
This tool especially adapted to heavy roughing.

Harrison Sliding Arm Surfacing Machine



The above cut represents the very latest Pneumatic Surfacing Tool produced. This Sliding Arm Surfacing Machine is complete in every detail, has a wonderful reach and produces a vast amount of work in a day. We recommend this machine to all large granite manufacturers as the very latest type surfacing machine manufactured.

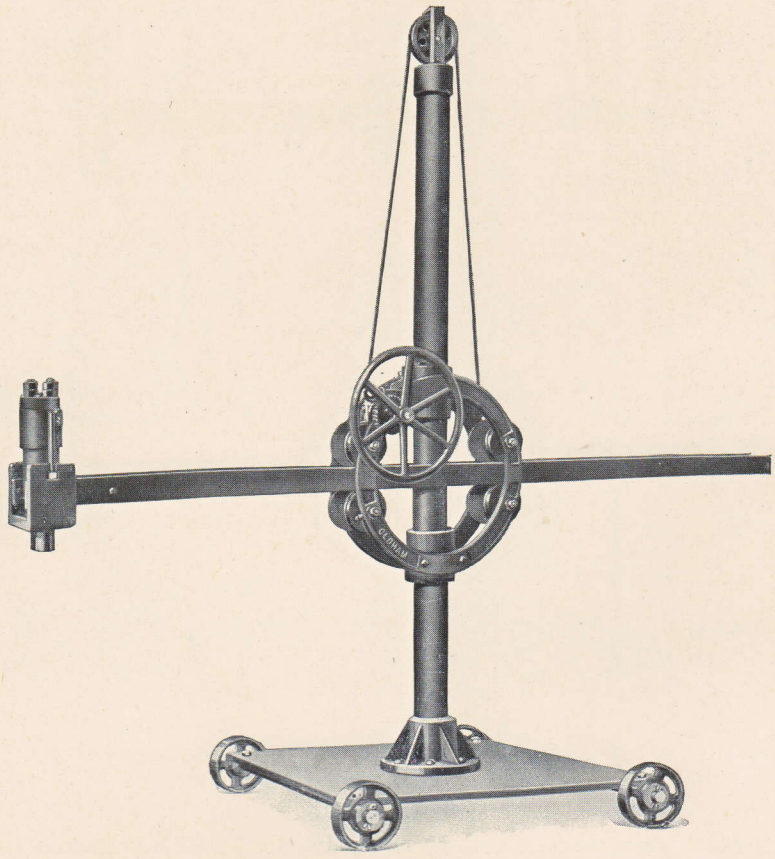
Harrison Midget Surfacer



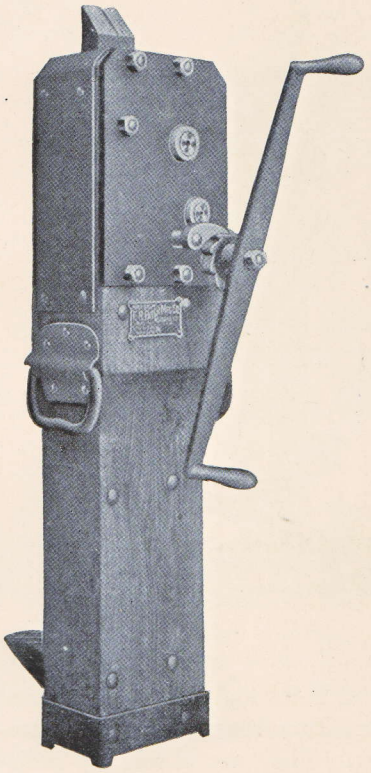
Our midget surfacer is a real necessity in any small monumental shop. It will do the work of several men, do it faster and better than can be done by hand surfacing, peaning or bushing. Can be transported very easily to any part of the shop in a few moments' time. Consumes little air, small upkeep.

We ship these midget surfacers on 15 days' free trial. Order one NOW.

Harrison Portable Surfacing Machine



Maynard Lifting Jacks

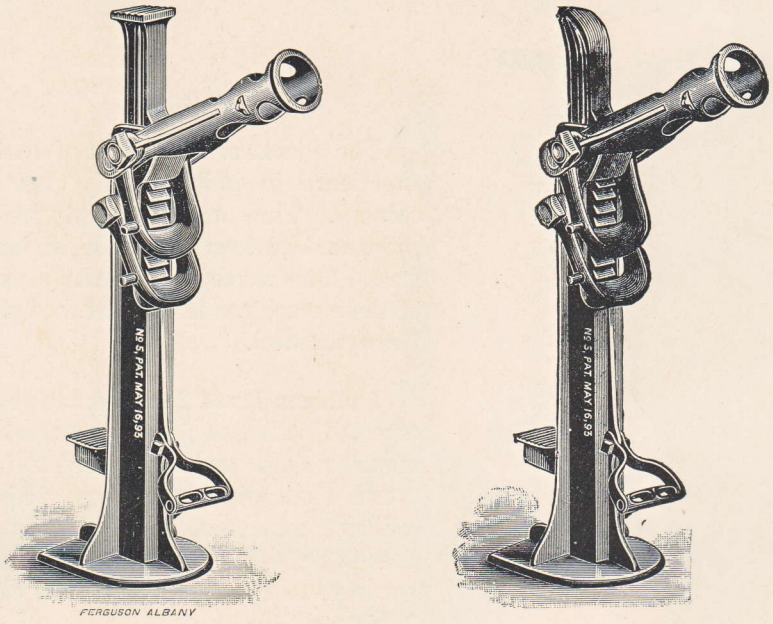


These jacks are the result of many years' experience in building this class of machinery. They are thoroughly well made; gears and pinions are made of hammered steel. The wood used in the construction of these machines is oak and face plates are Bessemer steel.

Numbers 1 and 2 are double-geared and especially adapted for use by truckmen, in machine shops and stone-yards. Numbers 3 and 4 are triple-geared and designed for ordinary mill work and heavy work. All sizes have a lift of 1′ 8″. The jacks are known to the trade to some extent as "Maynard" jacks.

No. 1, capacity	3 tons.	Height, 2′ 8″.	Weight, 70 lbs.
No. 2, capacity	6 tons.	Height, 2′ 11″.	Weight, 110 lbs.
No. 3, capacity	10 tons.	Height, 3′ 4″.	Weight, 160 lbs.
No. 4, capacity	15 tons.	Height, 3′ 8″.	Weight, 250 lbs.

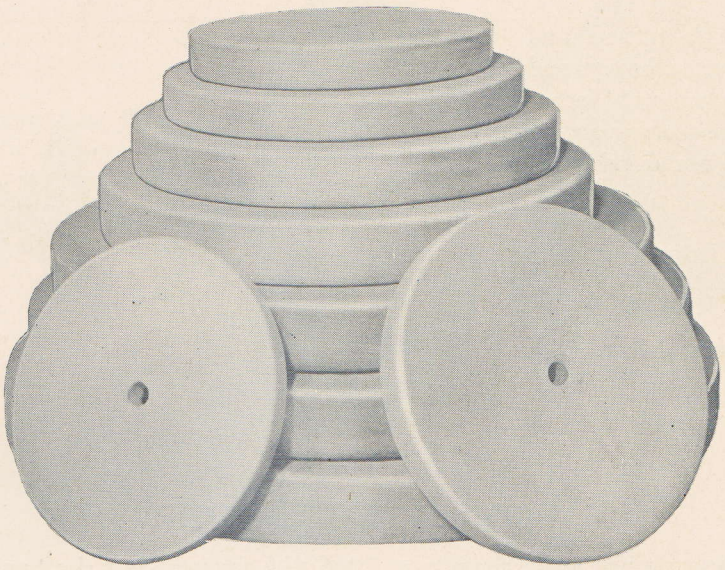
Albany Jacks



These Jacks are made of Malleable Casting and bolts and pins are machine steel, case hardened. They are generally used for lifting heavy boilers and machinery, for handling safes and monumental work. They are absolutely indispensable to Truckmen, Builders, Steam and Electrical Railways, Track Work, etc., and the price is within the reach of all.

	No. 2	No. 3	No. 4	No. 5
Height of Jack, with Bar Down, inches	16	21	30	30
Raise of Bar, inches	10	10	20	20
Size of Bar, inches	1	1½	1¾	2
Weight of Jack, pounds	20	35	60	85
Capacity of Jack, tons	2	4	6	10

Nova Scotia Grindstones



Nova Scotia Grindstones have been used for over half a century for sharpening granite and marble tools. They are fast displacing Domestic Stones, and while the first cost is somewhat higher, it has been found that they are very much cheaper to use for the following reasons:

First, due to the uniformity of Nova Scotia Grit, little or no dressing is required. Very often with Domestic Stones more stock is removed to keep it in running condition than is actually used in grinding.

Second, Nova Scotia Stones grind quickly and evenly, and with very little care.

Third, the Grit is particularly adapted to grinding granite and marble tools and will noticeably reduce the cost of the tool sharpening.

The following sizes will give our customers an approximate idea of the weights of each stone:

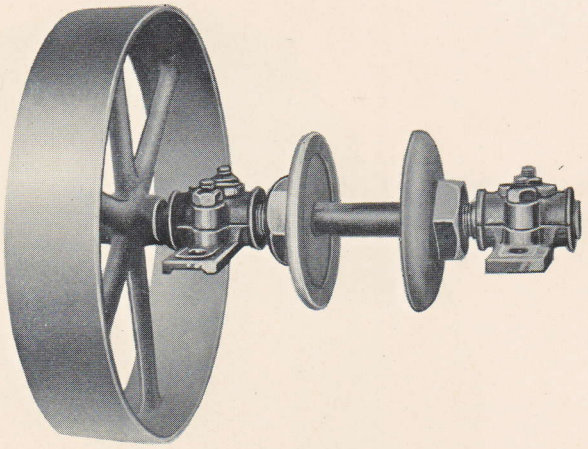
30 inches x 4 inches, 250 lbs.
30 inches x 5 inches, 312 lbs.
36 inches x 4 inches, 360 lbs.
36 inches x 5 inches, 450 lbs.
36 inches x 6 inches, 540 lbs.
42 inches x 4 inches, 489 lbs.
42 inches x 5 inches, 612 lbs.
42 inches x 6 inches, 734 lbs.
48 inches x 4 inches, 640 lbs.
48 inches x 5 inches, 800 lbs.
48 inches x 6 inches, 960 lbs.
54 inches x 4 inches, 810 lbs.
54 inches x 5 inches, 1,012 lbs.
54 inches x 6 inches, 1,215 lbs.
60 inches x 4 inches, 1,000 lbs.
60 inches x 5 inches, 1,250 lbs.
60 inches x 6 inches, 1,500 lbs.
66 inches x 6 inches, 1,815 lbs.
72 inches x 6 inches, 2,160 lbs.
72 inches x 8 inches, 2,880 lbs.

Power Grindstone Fixtures

Steel shaft turned and finished, boxes heavy and serviceable, pulley 14 inches by 3 inches, making a very substantial and durable fixture.

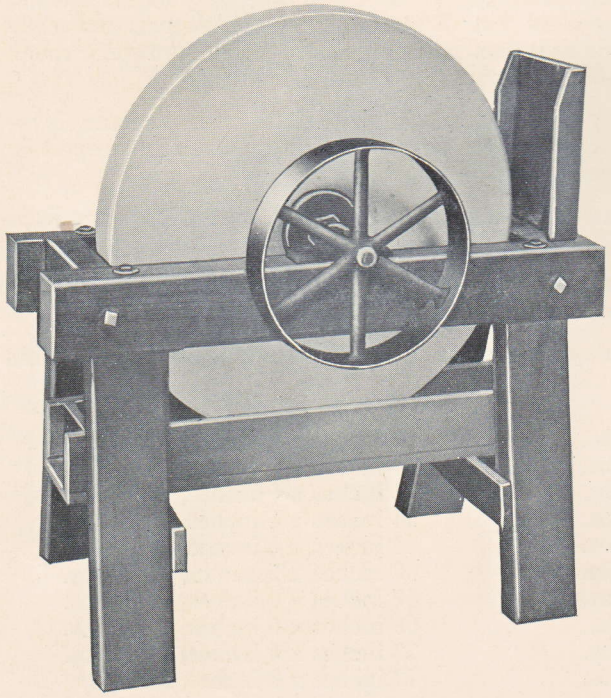
Price of fixture for stone 36 inches by 4 inches. See price list.

With loose pulley. See price list.



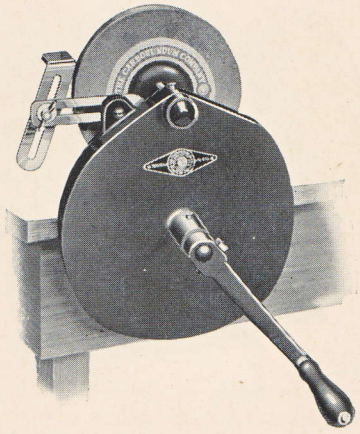
Wood Power Frame

Extra heavy wood frame for power, fitted with wrought-iron shaft and pulleys. Furnished with Nova Scotia Stone in the following sizes:



24 inches x 2 inches
24 inches x 3 inches
24 inches x 4 inches
26 inches x 2 inches
26 inches x 3 inches
26 inches x 4 inches
28 inches x 2 inches
28 inches x 3 inches
28 inches x 4 inches
30 inches x 2 inches
30 inches x 3 inches
30 inches x 4 inches
32 inches x 3 inches
32 inches x 4 inches
34 inches x 3 inches
34 inches x 4 inches
36 inches x 4 inches
36 inches x 6 inches
42 inches x 4 inches
42 inches x 6 inches

Niagara Grinders



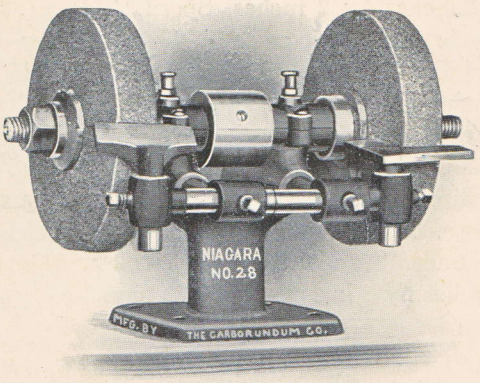
Carborundum Niagara Grinder No. 4 is fitted with an adjustable tool grinding guide and a Carborundum wheel 7½ inches in diameter, 1¼- inch thick, 1½-inch arbor hole. Weight packed 26 lbs.



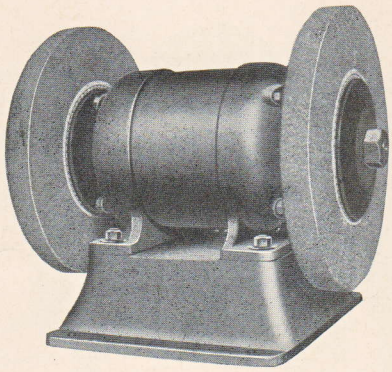
The foot-power attachment can be fitted to either No. 3 or No. 4 Niagara Grinder. The attachment is simple and powerful and can be used to advantage where electric or other power is not available. The attachment is made of malleable iron and is strong and durable. It is readily adjusted to several heights. The illustration shows attachment fitted to No. 4 Grinder.

The Niagara Grinder Head No. 28 is built along standard lines. The flanges overhang and thus protect the bearings. The bearings are wide and adjustable so as to take up wear. The tool rests are adjustable from all angles. The grinder head is fitted with two Carborundum wheels of medium grit, 7 inches in diameter, and 1¼- inches thick, but will carry wheels up to 10 inches in diameter.

Weight packed 36 lbs.



Forbes & Myers



No finer line of tool grinders is manufactured. Forbes & Myers tool grinders long ago made an enviable name for themselves. Model 102 contains the same reliable construction as in the more expensive models, but have eliminated guards, tool vests and all unnecessary parts. The price is as low as is possible for a well built grinder designed for continuous service. Model 102, Type Open, Phases 2 or 3, Voltages 220, 440, 550, Cycles 25 or 60, Horse Power ½, Wheel size 10 inches by 1 inch, Speed R. P. M. 60 cycle 1800, 25 cycle 1500, Diameter, spindle ¾ of an inch, Length, spindle 14 inches, Height, bench to spindle 6 inches, Height, floor to spindle 39 inches, Bearings, 2 Ball, Weight, bench type, 72 pounds, Weight of Stand 88 pounds, Standard equipment 2 wheels 10 inches by 1 inch.

Model 156 is what is known as Guarded Tool Grinder. Model 156 is designed for the heavier tools, at the same time it has smooth running qualities so essential for fine tool grinding.

Model 156, Guarded Tool Grinder's specifications are:

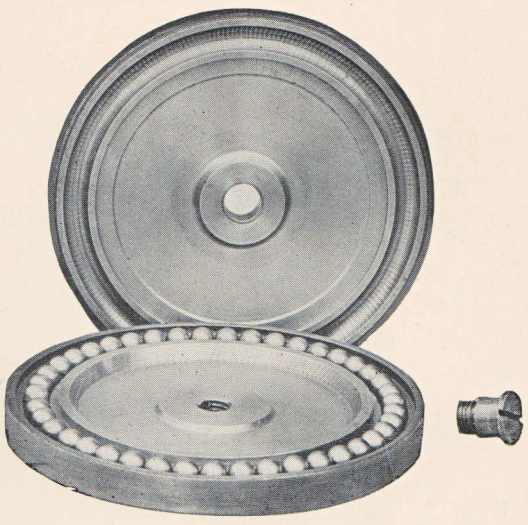
Phases 2 or 3, Voltage 220, 440, 550, Cycles 25 or 60, Horse Power 2, Wheel size 12 inches by 2 inches, Speed R. P. M. 60 cycle 1800, 25 cycle 1500, Diameter of spindle 1 inch, Length of spindle 19¾ inches, Height, bench to spindle 8 inches, Height from floor to spindle 38 inches, Guards, malleable iron, detachable and adjustable, 2 directions, Bearings, 1 Ball, Weight, bench type, 200 pounds, Weight of Stand 175 pounds, Standard equipment 2 wheels 12 inches by 2 inches.



Wunderlich Wonder Spinner

ONE MAN with a Wonder Spinner can turn a whole monument, if necessary, (without removing a piece) to face any desired direction in the shop or cemetery without the slightest danger of scratching or chipping the finest polished or axed surfaces, and with the greatest ease.

Supposing you had placed a monument in the cemetery facing the wrong direction, how easy it would be to turn in any desired direction the whole job at once, without removing a piece, with this Wonder Spinner and absolutely no risk of even a scratch.

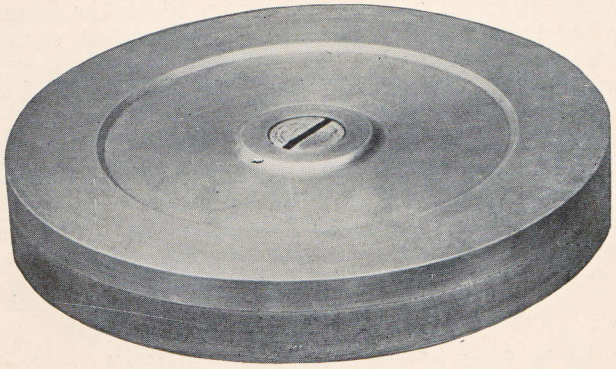


Open

How many men and how much time would it take to accomplish this without the Spinner? Also can be used in various different ways in handling large blocks of granite to great advantage. The Wonder Spinner is made of the best drop forge steel, with ball bearings, absolutely dust-proof, nothing to get out of order, just oil once a year; you can't break it, always ready for business, and weighs but 11 pounds and can be carried in a grip or tool bag. The dimensions are 8 inches in diameter, 1½ inches thick; size of each ball bearing, one-half inch in diameter.

You take no chances whatever.

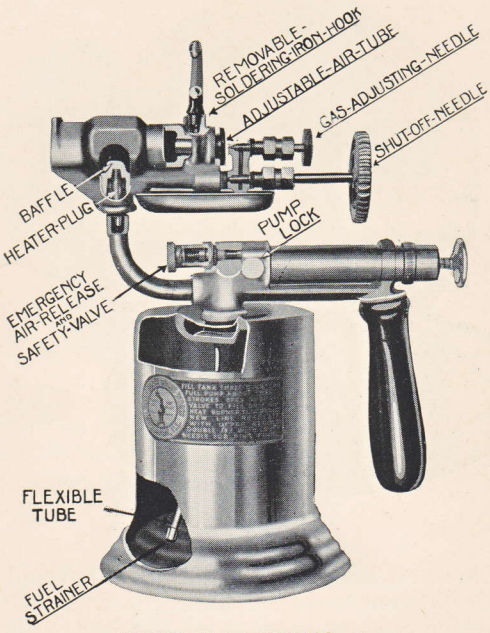
Improve your shop equipment, and decrease the risk of loss, reduce labor and expense and increase the efficiency of your business, by sending an order for a Wunderlich Wonder Spinner today.



Closed

CAN'T BREAK OR GET OUT OF ORDER

Turner Blow Torches



SECTIONAL VIEW NO. 45

Patented Improvements

One Opening in the Tank

One of the exclusive features of the Master Line Blow Torches is the fact that there is but one opening in the Tank. This opening is at the top, above the fuel line, and is sealed by the screw thread filler plug. By eliminating such soldered connections as burner inlet and upper and lower pump brackets, a frequent cause of leakage is removed. Turner Patent.

The Safety-Valve

The Turner Master Line Blow Torches and Plumbers' Furnaces are the only tools of their kind having a safety-valve. This valve is accurately proportioned to release automatically at 40 pounds pressure, which is double the amount of pressure necessary to obtain the highest efficiency. A safety-valve is as necessary on Blow Torches and Plumbers' Furnaces, as it is on any tank or boiler where pressure is used. Turner Patent.

Air Release

A thumb nut on the safety-valve permits the operator to release the Air Pressure (after his work is done) or to decrease pressure as desired, during the operation of the Blow Torch or Plumbers' Furnace. Turner Patent.

Baffle in the Burner

The Baffle is the obstruction in the burner on which the flame is constantly applied, heating the fuel to a hot dry gas, insuring perfect vaporization of the present-day gasoline or kerosene, thus generating 400 degrees more heat on lower fuel consumption, WITHOUT CLOGGING THE BURNER. Turner Patent.

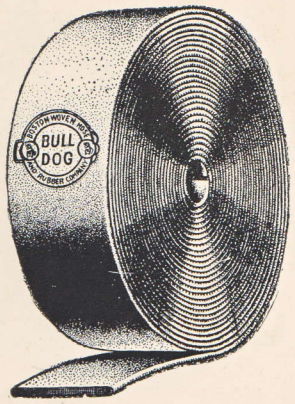
Pistol Grip Handle

Heretofore, the handle on torches was mounted between two brackets, allowing only 3½ inches at the most for the width of the hand and users could not handle the torch with ease. The Turner Master Line Pistol grip handle is large enough for any size hand, as it has no obstructions or brackets and does not tire the user. Turner Patent.

The Flared Tube

The flared tube in front of the fuel jet automatically syphons the correct proportion of air regardless of the size of flame desired. This has been worked out accurately as to size and length of tube and degree of taper. Trouble due to holes in burner tube is eliminated. Turner Patent.

Belting



Red Bull Dog Belting

Red Bull Dog Belting is strong because the tightly woven duck used in its construction is the heaviest that it is practical to use in a rubber belt for transmission purposes.

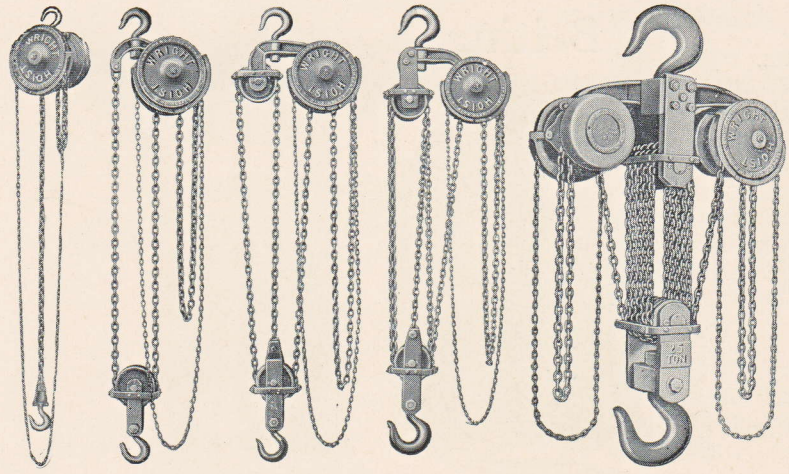
The friction or rubber between the plies is exceptionally high grade and of such strength that the layers of duck are thoroughly vulcanized one to the other, producing a belt of great tractive power, yet pliable and wear-resisting. The friction surface is a strong feature. Instead of having a smooth rubber cover, the rubber is vulcanized under tremendous pressure directly into the meshes of the duck, giving a surface that enables the belt to grip the pulley and transmit more power than any other type of belt of the same width and thickness.

For strength, firmness and durability, Red Bull Dog cannot be equalled. Every belt is thoroughly tested before it leaves the factory.

Wright Hoists

The Utmost in Speed, Strength, Service, Safety.

Choosing a Hoist



¼—½ 1-2 Tons | 3-4 Tons | 5-6-7-8 Tons | 10 Tons | 12-30 Tons

In choosing a Chain Hoist for any particular class of work, bear in mind that there are three separate and distinct types on the market, each made for its particular class of work. In assisting you to determine which type is best suited for your lifting requirements, we give a summary below:

The "WRIGHT" Improved High Speed or Spur Geared Hoist is the highest and most efficient type. This Hoist is particularly adaptable to loads of any size which must be raised through excessive heights or many times. With an efficiency of 80 per cent, this Hoist is unrivalled for hard, continual service.

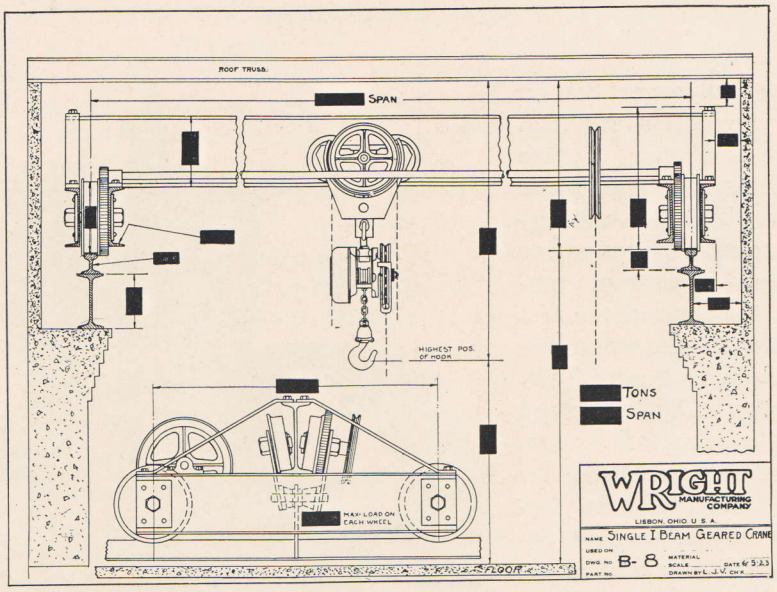
The "WRIGHT" Standard Screw Hoist is of the worm-geared type, especially suited for usage where head room is limited, where loads of any size are only raised occasionally, or where the hoist has to be continually shifted about, as a general repair work hoist. This hoist has an efficiency of 40 per cent, but the pull on the hand chain necessary to raise the load is cut down at the expense of speed, thus enabling one man to raise the full load on any size of hoist.

The "WRIGHT" Differential Block is constructed with the fewest parts and is the least expensive. This hoist compares favorably with the High Speed Hoist in speed, but the pull on the hand chain is nearly three times as great. This hoist is recommended for very occasional usages, and very light loads.

Capacity in Tons	Regular Hoist in Ft.	Reach in Ft. and Ins.	Extra Hoist Price per Ft.	Min. Dist. between Hooks in Ins.	Net Weight in Pounds	Chain Pull in lbs. to Lift Full Load	Feet of Chain Handled to Lift Load One Foot	Size of Packing Case in Inches	Gross Weight
¼	8	9– 3	1.80	12	61	60	10	13 x 12 x 11	71
½	8	9– 3	1.80	12	61	60	20	13 x 12 x 11	71
1	8	9– 5	1.90	15½	91	80	30	14 x 14 x 13	105
1½	8	9– 7	2.00	17	140	110	33	17 x 16 x 15	153
2	9	11– 0	2.10	21	198	120	40	21 x 18 x 16	216
3	10	12– 8	3.00	32	202	110	66	22 x 16 x 15	225
4	10	13– 1	3.20	37	283	120	80	24 x 19 x 16	313
5	12	15– 9	4.30	40	378	105	120	30 x 24 x 16	420
6	12	15–10	4.30	40	380	120	120	30 x 24 x 16	420
8	12	16– 3	5.40	51	427	135	168	35 x 26 x 15	481
10	12	16– 9	6.50	54	522	130	200	30 x 29 x 16	588
12	12	16– 9	8.60	57	864	130	120*	41 x 38 x 19	994
16	12	17– 0	10.80	60	950	130	160*	45 x 39 x 19	1226
20	12	18– 0	13.00	70	1219	135	200*	51 x 46 x 19	1387

Sizes 3 to 20 tons have lower blocks. *For each hand chain

Hand Traveling Crane



"WRIGHT" Hand-Operated Traveling Cranes are built in every capacity and span to suit any condition. For lifting, these Cranes are equipped with "Wright" High Speed Steel Hoists, and for cross travel with "WRIGHT" Steel Trolleys, either plain or geared.

Blue prints showing our proposed constructions and clearance dimensions will be furnished with our bid.

"Wright" Hand Traveling Cranes are constructed with a factor of safety of five (5) in every part.

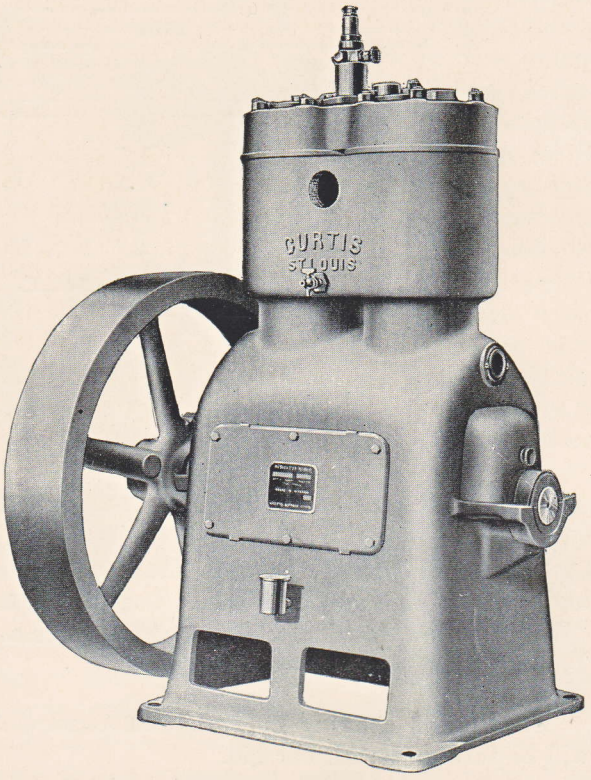
Sizes on Single I-Beam Cranes with
Structural Channel End Trucks.

SPAN	CAPACITY IN TONS						
	½ TON	1 TON	1½ TON	2 TON	3 TON	4 TON	5 TON
10 ft. size I-Beam . . .	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	12 in.
20 ft. size I-Beam . . .	8 in.	9 in.	9 in.	10 in.	12 in.	15 in.	15 in.
26 ft. size I-Beam . . .	8 in.	10 in.	12 in.	12 in.	15 in.	18 in.	18 in.
30 ft. size I-Beam . . .	9 in.	12 in.	12 in.	15 in.	15 in.	18 in.	18 in.
36 ft. size I-Beam . . .	12 in.	15 in.	15 in.	18 in.	18 in.	20 in.	20 in.

Curtis Model "A" Compressors

Full Self Oiling-Controlled Splash-Regulatable Sight Feed Cylinder Lubrication

CURTIS Compressors bear an enviable reputation for high efficiency and stand in the foremost rank of high grade machines. They are well designed, strongly built, wearing parts are of generous proportions, the material the best obtainable and the workmanship of the highest order. They are automatically lubricated by a controlled-splash system with regulatable sight feed for cylinder oiling, can be furnished with air pressure unloader and have every refinement that makes for efficiency and economy of power and maintenance.



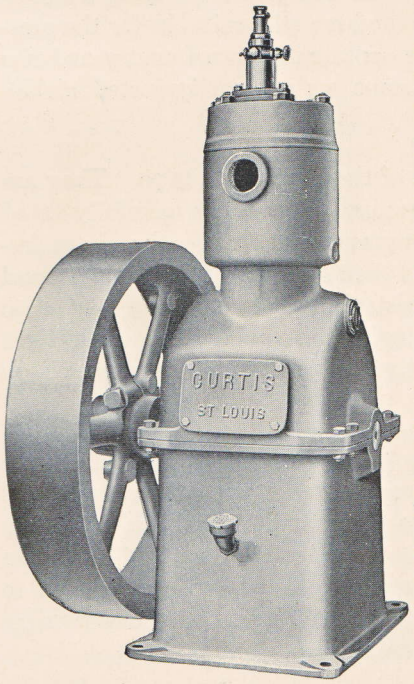
FULLY ENCLOSED—DUST AND DIRT PROOF—NO OIL OR GREASE CUPS; TIGHT PULLEY ONLY OR TIGHT AND LOOSE PULLEY, AS DESIRED.

Our machines are made entirely in our own plant, manufactured direct from the raw product. We have our own gray iron and brass foundries and do not have to depend upon other manufacturers for our parts. We can afford to give honest material and do not have to cut down sizes in order to meet competition. For the same amount of money invested, therefore, we offer you greater compressor value. The Curtis compressor has been adopted as standard by some of the largest manufacturers in the country who furnish compressors in connection with their own product.

DESIGN. The design of the Curtis compressor is the result of, and has been proven by, over twenty-nine years of experience, featuring simplicity, durability, economy and efficiency. It has more cooling surface than any double acting compressor of the same capacity. The heads and valves being water cooled, as well as the cylinder walls, increase the volumetric efficiency. The machines are self-contained, heavy enough to assure freedom from vibration, admitting of light foundations and withstanding the excessive strains due to speed and high

pressure. The air pressure unloader makes the Curtis compressor especially economical and desirable for intermittent service. The controlled-splash oiling system, with its regulatable sight feed of the oil fed to the cylinder, its consequent saving in oil and attention, is another feature found only in the Curtis compressor. The discharge for the water circulation is taken from the heads or, in other words, at the highest point of circulation, so that there is never any possibility of the hot water becoming pocketed or trapped in the heads, and there is no possibility of water circulating without passing through the heads and around the valves.

CAPACITIES AND SPEEDS. Capacities of Curtis compressors are approximately the same as other machines of similar cylinder size. The speeds necessary to obtain these capacities are somewhat greater than we formerly employed. In order to meet the higher speed requirements of modern machinery, changes have been made in the design of valves, bearings, piston and connection rods without sacrificing satisfactory and economical operation under the higher recommended speeds. The new machines have been operating at these speeds for over a year under actual working conditions, so that there has been ample opportunity to prove they are entirely successful.



SINGLE CYLINDER; HAS SPLASH OILING VISIBLE THROUGH SIGHT FEED GLASS.

COOLING. Curtis Model "A" compressors are made water cooled only. The thorough water jacketing of the cylinders and the heads and the discharge of the water at the highest point in the circulation insures maximum cooling and, therefore, maximum efficiency. Thermosyphon system of cooling can be successfully used in connection with these machines, although we always advise forced circulation.

CAPACITY. Large valve port areas, light valves, small clearances, large water cooling area surrounding cylinders, heads and valves; large and generous bearings, comparatively few working parts and the controlled-splash regulatable sight feed lubrication system insures large capacity and permits of reasonably high speeds. Curtis compressors by actual test based on the Compressed Air Society Standard, which is an orifice test with corrections made for temperature rises and changes in barometrical conditions, show high volumetric efficiency. We will be glad to give volumetric efficiency ratings for different speeds and pressures upon request. Claims of volumetric efficiency on any other basis but the Compressed Air Society Standard do not mean anything. To make a comparison, it must be on the same basis. All repu-

table compressor manufacturers have adopted the Compressed Air Society Standard. Compressors in operation in our own plant at excessive speeds, high pressures and constant service over a period of several months, prove our claims for efficient cooling, perfect lubrication, proper valve design and construction, and that reasonably high speeds are permissible.

FRAME. Frame is of the box type, sufficiently heavy to absorb the vibration. The base has wide flanges bearing on foundation throughout their entire length.

CRANK CASE. Compressor is completely enclosed in a dust-proof case to eliminate as far as possible difficulty with dust and dirt getting into bearings and oil supply. There are four covers, easily removable, provided so that all bearings can be exposed for adjustment or repair and oil supply put into reservoir.

CYLINDERS. Cylinders are single acting (no stuffing boxes) and are made of hard, close-grained iron, suitable for long and continuous wear, accurately bored and finished by reaming to insure absolute roundness and exact diameter and to reduce the wear. The thickness of the walls will permit reboring if necessary after long period of operation and after rebored are still suitable for the pressure for which the compressor is designed. We operate our own foundry and run nothing but compressor castings and in the same we use an imported nickel-chrome iron to get density and hardness.

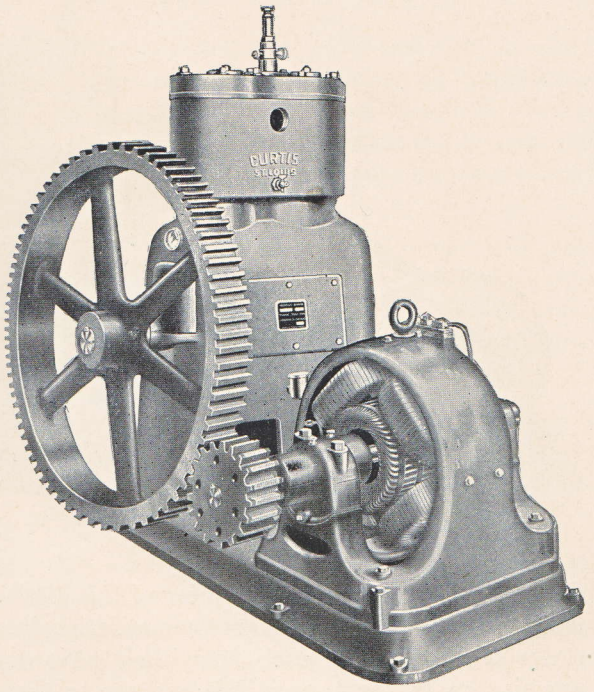
PISTONS are hollow, cast in one piece, and of the long trunk type. They are ground to size and each provided with three ground piston rings, carefully fitted and forming a perfect sliding joint with uniform pressure on their entire circumference. The rings, after being turned, are cut and then sprung together, and ground to the exact diameter of the cylinder. The wrist pin is hardened and ground to gauge. In the 6 x 6 single and all double cylinder sizes, where the pin is tight in the piston, the connecting rod is fitted with a removable phosphor-bronze piston pin bushing.

POWER. By unbiased tests taken under actual service conditions, the horse power mentioned in the table is the actual energy used during those tests. It is only natural that Curtis compressors require a minimum of power, since they have no crossheads, guides or stuffing boxes to produce friction, and since the cylinders, heads and valves are water cooled and the clearances are reduced to a minimum, it permits the air taken into the cylinders to remain as cool as possible and therefore give maximum capacity with the least power.

PRESSURE. The 4½″ x 4½″ size is designed for pressures up to 250 pounds—larger sizes from 100 to 200 pounds, depending on speed of operation.
See table.

Curtis Model "A" Electrically Driven Compressors

Gear, Chain or Belt Drive



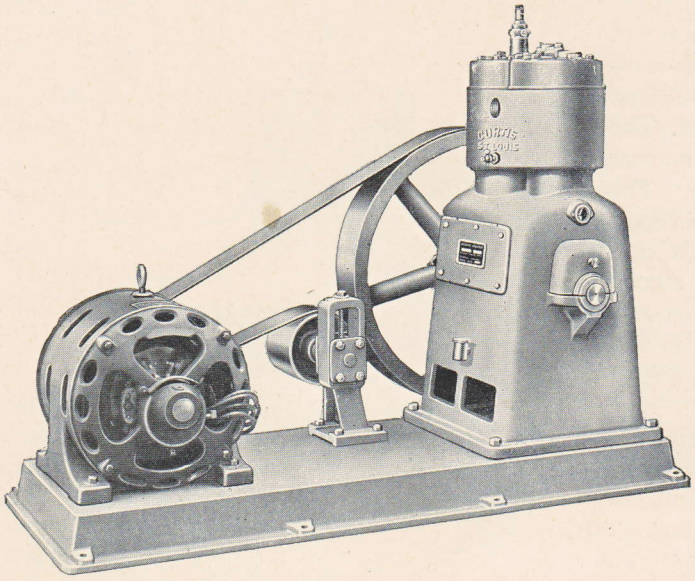
ECONOMY. The economy of small belted compressors compared to direct steam-driven machines is very marked. The most uneconomical steam user is the air brake pump. The small direct steam-driven compressor with flywheel is also very uneconomical, but a good belt-driven air compressor driven from a good engine will compress an equal amount of air with from one-half to one-quarter of the steam consumption of either. The Curtis compressor with air pressure unloader is, therefore, the logical compressor for capacity up to 250 cubic feet per minute.

ATTENTION. As our compressors have the controlled-splash oiling feature, less attention is required than by competing machines, and as the parts are few, readily accessible and very simple, a skilled attendant is not needed. The simplicity practically eliminates the necessity of adjustment and chances for breakdowns, also greatly reduces the friction and thereby also the amount of oil and power required. The few adjustments are very simple and the operation easily understood. All wearing parts are of liberal dimensions and the maintenance cost is, therefore, practically nothing. A glance tells you the level of the oil in the crank case, something not easily determined in other splash-oiling machines.

DIRT AND DUST. It is, of course, never advisable to run any machine in a place full of dust and grit. The Curtis compressor, however, is fully enclosed; furthermore, there are no crossheads, slides, guides, shoes or stuffing boxes, therefore, a Curtis compressor is the logical choice in unfavorable, dusty and dirty locations.

Although fully enclosed, if necessary the crank case on all Curtis double-cylinder air compressors can be opened on all four sides — making all parts operating in crank case easy of access and open to inspection.

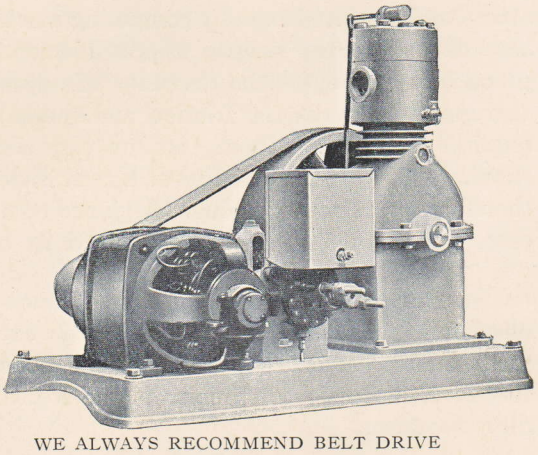
Water Circulation Pump. With the water discharge at the high point of circulation, it is entirely practical to use the thermo-syphon system of circulation on a Curtis compressor. We, however, can furnish, when desired, a water circulation pump to give a forced circulation to insure a faster and cooler circulation and thus securing the maximum efficiency. Drain cock for pump is provided.



Electric Belt Drive. We recommend the flat belt type of electric drive as preferable to either chain or gear drive, for it is more flexible, more nearly noiseless, less severe on the motor and less expensive.

Silent Chain Drive. We are prepared to furnish chain drive of the various types if a drive of this kind is specified or insisted upon after taking into consideration our recommendation for the flat belt drive. The different styles of silent chain each have their advantages and disadvantages and the selection as to the type is left entirely to the customer.

Gear Drive. Absolute minimum floor space conditions are the only ones under which we recommend the gear drive. The action of the compressor is such that the lack of flexibility in a gear drive transmits pulsations directly to the motor armature which will in time break down the insulation, thus necessitating more frequent rewinding and increasing the maintenance cost. Where the gear drive is furnished, we, however, supply cut flywheel gear and rawhide motor pinion with bronze flanges to make the drive as nearly perfect as a gear drive can be made.



WE ALWAYS RECOMMEND BELT DRIVE

Iron Base. Iron base for the belted style is a convenience, but not a necessity, for the motor compressor and belt tightener can just as readily be mounted on

any good foundation. An iron base, however, is necessary on a gear drive in order to insure proper and permanent alignment of the gears.

BELT TIGHTENER. Long belt centers are always advisable, but, when lack of space makes this impossible, a Curtis adjustable combination idler and belt tightener will enable a short and efficient belt drive to be obtained.

CONNECTIONS. Suction and discharge openings are of liberal size, in order to reduce friction losses and are located below the heads so that pipe connections do not have to be loosened or the pipe bent in order to remove the cylinder heads which contain all valves. The heads on a double cylinder machine can be removed independent of each other. The valves and air pressure unloader can be removed without removing the heads.

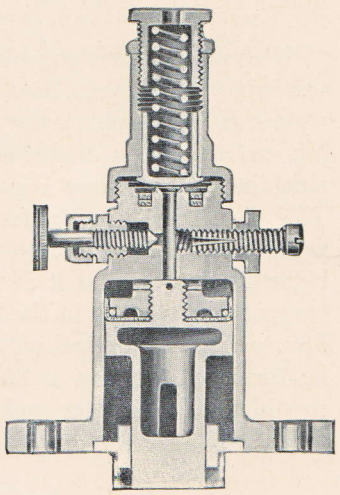
REPAIR. All parts of the machine are made to template and are interchangeable. All castings have pattern letter and number. A complete record is kept of every machine and a full line of parts is carried so delays are avoided where replacements are wanted in a hurry. In ordering replacement parts, always give number of compressor stamped on the name plate of each machine.

PULLEYS. Flywheel is large in diameter and heavy, thereby imparting a steady, nonpulsating drive. The face and edges are turned perfectly true and have wide belt face to give long life to the belt. Standard loose pulley with renewable bushing and grease cup or special pulleys can be furnished if desired.

MOTORS FOR ELECTRIC DRIVE. We regularly furnish the outfit complete with motor of any standard make, but if so desired can furnish the outfit less the motor. If customer furnishes his own motor, the speed of same should not exceed approximately six times the speed of the compressor. Motors at lower speed are satisfactory. For direct current, use compound wound motors.

COMPRESSORS FOR PORTABLE OUTFITS. These compressors may be mounted on trucks for portable work, driven either by electric motor or internal combustion engine. Also may be mounted on trailers to be handled by a tractor and driven by tractor engine. This is a most satisfactory arrangement for highway work requiring compressed air.

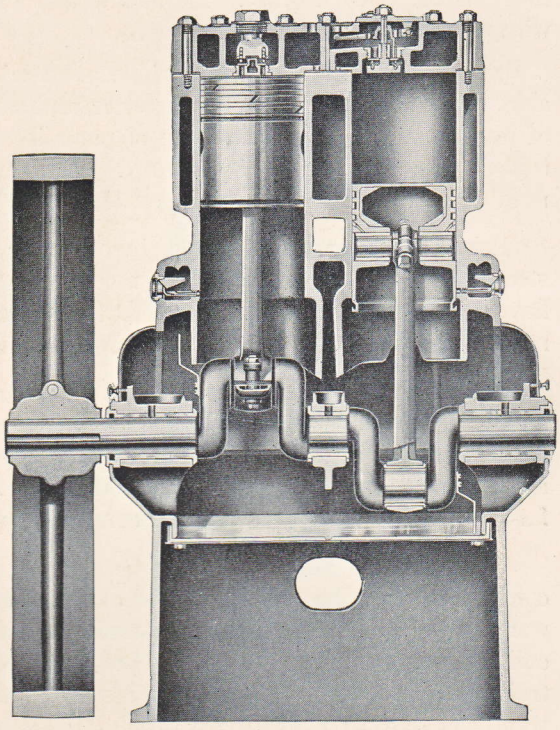
LUBRICATION. Controlled splash with regulatable sight feed. The oil is not splashed by the connecting rod. It is picked up by knife blade throwers on the crank shaft, thrown in a definite direction and led by distributing ribs just where it ought to go. The oil for the cylinder is thrown on a rotatable plate from which it drops, passing into the cylinder. If the full surface of this plate is presented, the maximum amount of lubrication is delivered to the cylinder. As you turn the plate from



UNLOADER

Sectional Views Curtis Model "A" Compressor

the vertical, the lesser amount of lubrication is delivered to the cylinder. You cannot turn the plate so that no oil will be delivered. Feed is visible through a sight feed glass and feed can be changed by simply unloosening two little screws and turning the plate until the proper lubrication is obtained. After right feed is once set, no further regulation is necessary during the life of the machine. A filling gauge on the crank case shows the exact amount of oil in the crank case and serves also as a drain. With this system, there is no excess lubrication, no external leakage, and no attention is required except to occasionally fill the reservoir in the base and drain out the oil three or four times a year. With the same amount of oil, Curtis compressors will run several times as long as any competing machine. Full instructions for operating are etched on a neat brass plate and attached to the front of each compressor.



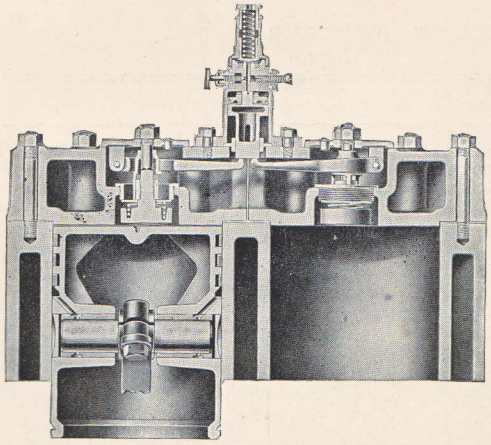
ALL PARTS PROPERLY LUBRICATED—YET RUNS MANY TIMES LONGER WITH SAME AMOUNT OIL, AS ANY COMPETING MACHINE

Water Jackets completely surround the cylinders, heads and valves, giving much greater cooling surface than a double-acting machine of the same capacity. The discharge opening for the water is in the heads or at the highest point, so that it is never trapped or pocketed in the heads. Thermo-syphon system of circulation is, therefore, perfectly practical with a Curtis compressor. A water circulation pump can be furnished when a faster and cooler circulation is desired. Drain cocks are provided in the water jackets, also in the circulation pump when the latter is furnished.

CYLINDER HEADS can be removed independently and without disturbing any pipe connections or fittings.

CONNECTING RODS are made of steel, have standard marine crank ends with lock nuts, and lined with the best grade of non-cutting, anti-friction metal. Piston pins are exceptionally large, ground to gauge and case hardened. The piston pin is automatically and amply lubricated by oil collected by oil groove just below the lower piston ring.

CRANK SHAFT made of high grade steel, solid, not built up; large in diameter, runs in self-oiling boxes, lined with best grade non-cutting, anti-friction metal, carefully scraped, designed to eliminate all trouble from heating. The 8 x 8 and larger sizes have three crank shaft bearings.



IMPOSSIBLE FOR WATER IN WATER JACKETS TO POCKET ITSELF IN THE HEADS.

UNLOADER. Automatically regulates the air pressure by unseating the suction valves at maximum pressure and reseating them at minimum pressure. No air is compressed in the meantime, the action of the flywheel is not stopped, nor the belt shifted and the only power necessary is that to overcome the mechanical friction of the machine, which is practically nothing, since there are no crossheads, slides, guides nor stuffing boxes to produce friction. Hand by-pass valve allows compressor to be started unloaded, even though there is full pressure in the tank, thus avoiding the usual starting troubles of slipping or throwing the belts, blowing out of fuses or burning out of the motor.

Unloader can be set for any variation from ½ to 10 pounds. See illustration of unloader on page 87.

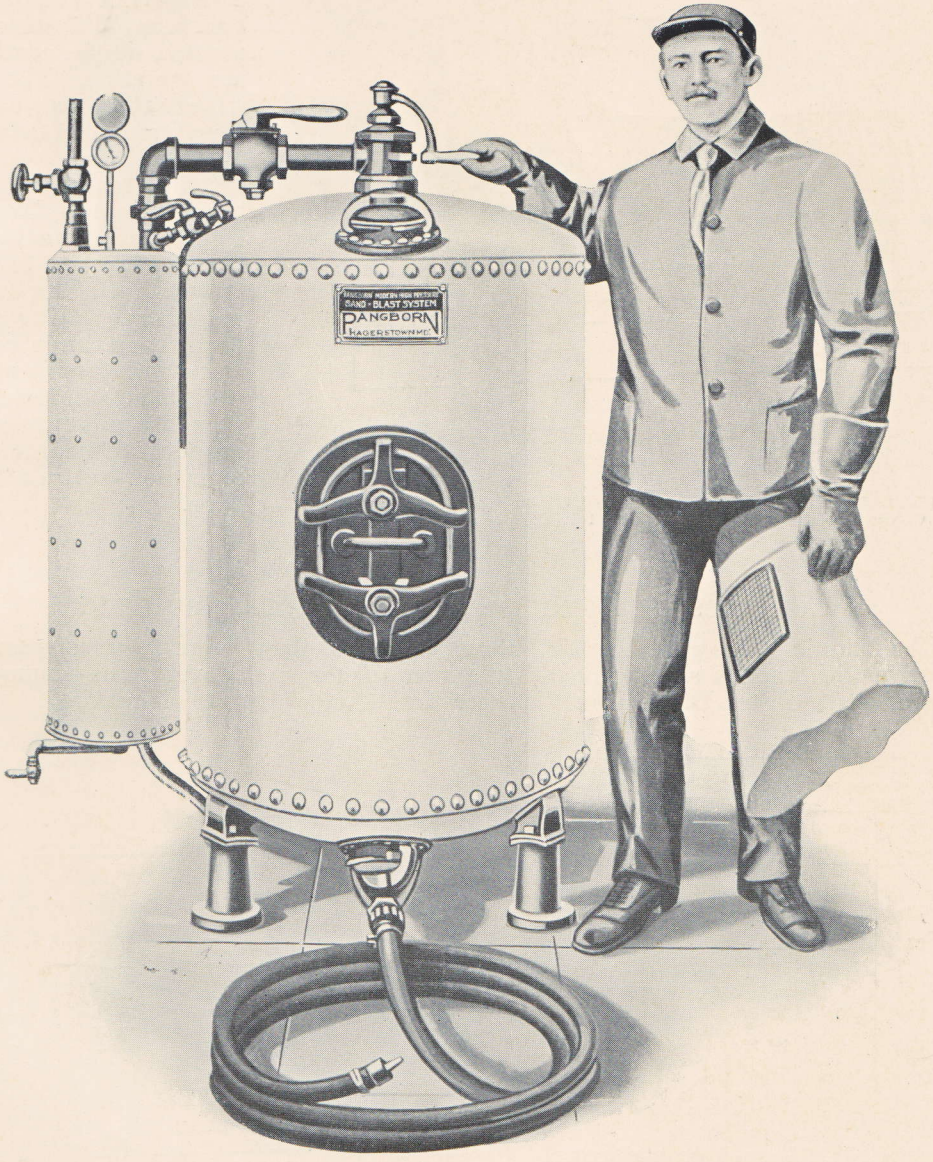
Curtis Model "A" Full Self-Oiling Compressors

Belt Driven Single and Double Cylinder, Water Cooled (Patented)

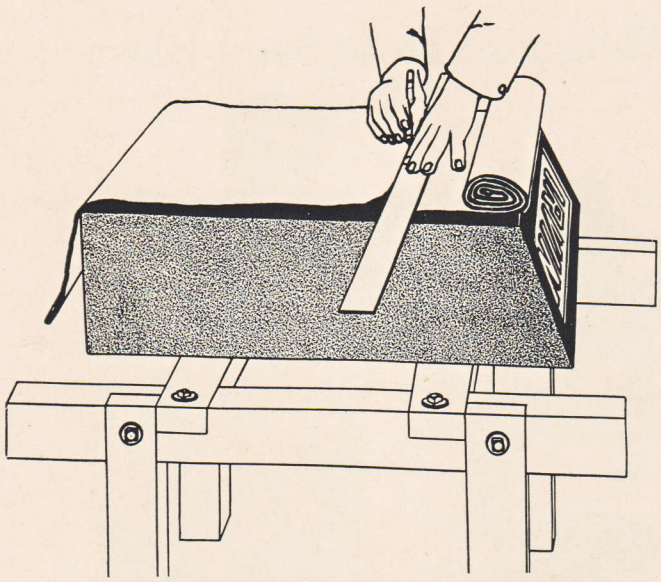
TABLE OF CURTIS MODEL "A" COMPRESSORS

	SINGLE CYLINDER		DOUBLE CYLINDER				
Diameter of Cylinder and Stroke	4½ x 4½	6 x 6	6 x 6	7 x 7	8 x 8	9 x 9	10 x 10
Code Word—No Governor	Catmo	Cavor	Cawle	Cawon	Cawup	Caxpe	Caxtu
Add Code for Governor	Canyk	Canyk	Canyk	Canyk	Canyk	Canyk	Canyk
Revolutions per Minute	190–500	150–450	150–450	160–350	160–325	160–300	150–275
Displacement	9–22	14–44	29–87	50–110	74–150	106–198	136–250
Maximum Pressure, Pounds	200–125	150–100	150–100	125–100	125–100	125–100	125–100
Height Overall—No Governor	2′–6″	3′–2″	3′–2″	3′–10″	4′–6″	5′–0½″	5′–5″
Size of Pulley	18 x 4	27 x 5½	27 x 5½	36 x 6½	44 x 6½	48 x 8½	50 x 10½
Suction and Discharge Pipe	2–1¼	2–2	2–2	2½–2½	2½–2½	3–3	3½–3½
Floor Space, Tight Pulley Style	18 x 22	27 x 22	27 x 34	36 x 36	44 x 42	49 x 47	50 x 51
Horse Power Required— 40 Pounds	1¼–3¼	2¼–7	4½–13½	7–17	11–22	15–23½	19–35
Horse Power Required— 60 Pounds	1½–3¾	2¾–8	5¼–16¼	8½–20½	13–26¼	18–27	24–43
Horse Power Required— 80 Pounds	1¾–4¼	3–9	6–18¼	10–22¾	14–30	21–30½	27–48
Horse Power Required—100 Pounds	2–4½	3¼–9½	6½–20	11–25	16–31½	23–32½	30–50½
Horse Power Required—125 Pounds	2–4¾	3½	7	11½	17	25	33
Horse Power Required—150 Pounds	2¼	3¾	7¼				
T. P. Shipping Weight, Domestic—Pounds	265	650	850	1550	2100	3250	4300
T. P. Shipping Weight, Foreign—Pounds	340	800	1025	1800	2450	3600	4900

Type "AC" Pangborn Hose Sand-Blast



This Pangborn Sand-Blast will revolutionize your monument production costs. Does better carving and lettering with unskilled workman, three to five times as fast. $265.00 complete f. o. b. Hagerstown, Maryland. Includes ten feet Sand-Blast Hose complete with fittings, and, in addition, the following: twenty-five nozzles, one nozzle holder, two hose connections, two manhole gaskets, two hose connection gaskets, one funnel, one mallet, one hose force, one stencil knife, one straightedge, one triangle, one hand roller, and one roll Jiffystencil glue paper.



UNROLL THE JIFFYSTENCIL AND CUT OFF ENOUGH TO COVER THE DIE AND PROJECT 1 INCH ON ALL SIDES.

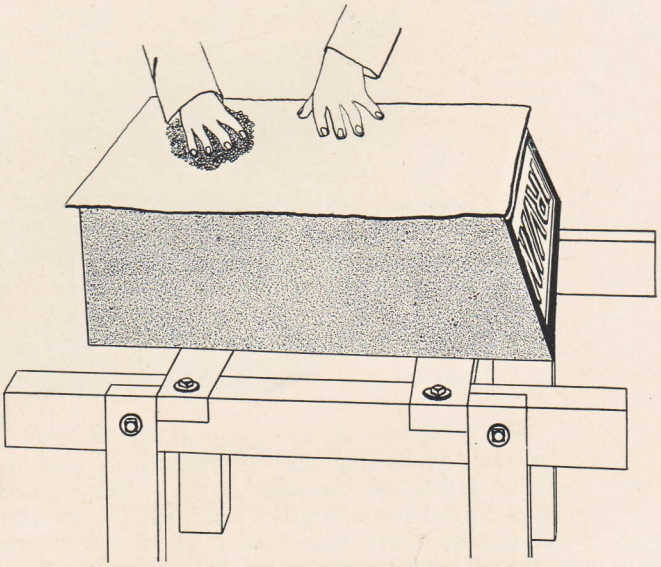
Preparing the die for Sand-Blasting with Pangborn "Jiffystencil," a quick, simple, continuous operation. The job illustrated was completed from start to finish in three hours.

"Jiffystencil" is the name selected for the Pangborn American-made glue paper, to distinguish its superior working quality and blast resistance compared with foreign made paper; and still more, its immense advantage in immediate usableness over slow-setting "hot dope."

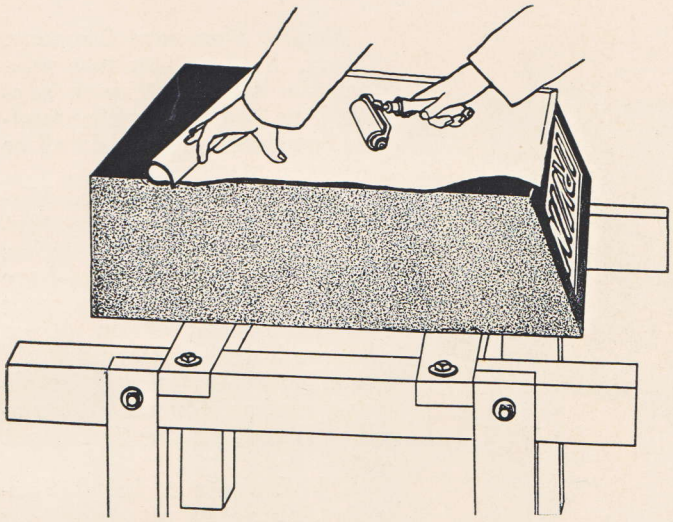
Compressor Capacities and Motors Required

The following table gives the Air Volume at 80 lbs. that different size compressors will give with various size motors. The power (motor size) governs the volume of air produced. Piston Displacement is theoretical—Actual Delivery is required.

Motor Size	Compressor Capacity in cubic feet per min.		The Sand-Blast Nozzles this Compressor and Motor will serve and the Surplus air for tools.
	Piston Displacement	Actual Delivery	
			6″ x 6″ COMPRESSOR
15 H.P.	72	53	3/16″ Sand-Blast Nozzle and 5 ft. Surplus.
20 H.P.	87	64	3/16″ Sand-Blast Nozzle and 16 ft. Surplus.
			7″ x 7″ COMPRESSOR
15 H.P.	72	53	3/16″ Sand-Blast Nozzle and 5 ft. Surplus.
20 H.P.	93	70	3/16″ Sand-Blast Nozzle and 22 ft. Surplus.
25 H.P.	110	83	3/16″ Sand-Blast Nozzle and 35 ft. Surplus. Or 1/4″ Sand-Blast Nozzle Only.
			8″ x 8″ COMPRESSOR
20 H.P.	105	85	3/16″ Sand-Blast Nozzle and 37 ft. Surplus. Or 1/4″ Sand-Blast Nozzle Only.
25 H.P.	128	98	3/16″ Sand-Blast Nozzle and 50 ft. Surplus. Or 1/4″ Sand-Blast Nozzle and 13 ft. Surplus.
30 H.P.	150	117	3/16″ Sand-Blast Nozzle and 69 ft. Surplus. Or 1/4″ Sand-Blast Nozzle and 32 ft. Surplus.



WET WITH A SPONGE AND HOT WATER UNTIL THE COMPOSITION IS SUFFICIENTLY MOISTENED TO ADHERE TO THE STONE.



APPLY THE MOISTENED SIDE TO THE DIE AND ROLL FROM CENTER TO EDGES, TO SECURE PERFECT CONTACT. JIFFYSTENCIL WORKS EQUALLY WELL ON POLISHED AND AXED SURFACES.

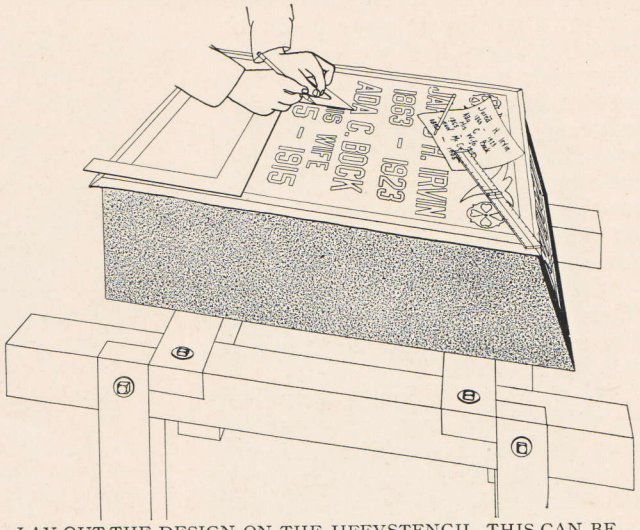
Here is what monument dealers write after using the PANGBORN Type AC Sand-Blast for monument carving:

The Leconte Monumental Works, Gilman, Ill.: "Now using the Pangborn Sand-Blast Machine for about eight months. Satisfactory in every respect. One man with the sand-blast can do more work than three men with the pneumatic hammer, will do much finer carving than the pneumatic hammer."

Skelton & Son, Walkerton, Ont.: "We stenciled two inscriptions and family name on granite. Family name, 4″ letters. Inscription, 1¼″ and ⅛″ raised. Fifty-eight letters in all. Time, two hours to stencil; 36 minutes to blow. No doubt can be beaten later, but the work could not be done as well by hand or air tool if workman took three days at it.

Bucyrus Monumental Works, Bucyrus, Ohio: "We are using our Pangborn daily and she is a Bird. We are getting better results than those using another make and were we to purchase a dozen more they would all be Pangborns."

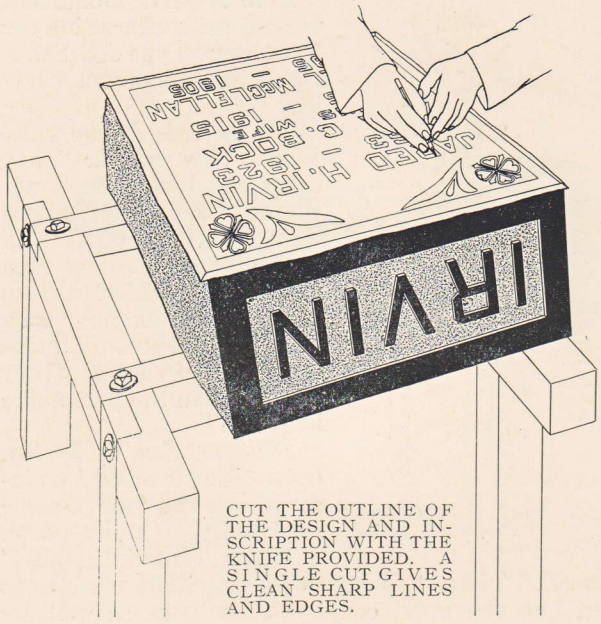
John H. Bott & Sons Co., Brigham City, Utah: "We have the sand-blast installed and are pleased with its operations beyond our expectations. It is a wonderful outfit. We have decided beyond a doubt that with a very little use with the machine to accustom ourselves with its operation that we will be able to increase the output of our plant three to four times on the lettering and carving end with one man, where in the past we have used three. The machine is perfectly satisfactory to us in every way."



LAY OUT THE DESIGN ON THE JIFFYSTENCIL. THIS CAN BE DONE AT ONCE; NO WAITING HOURS FOR IT TO "SET."

The Colorado Wholesale Granite Co., Denver, Colo.: "It will interest you to know that we have been using your Pangborn Sand-Blast for some weeks and have turned out some very handsome work. It works the best of any machine in Denver.

Gifford Marble & Granite Works, Muskogee, Okla.: "We consider the Pangborn Sand-Blast the most wonderful piece of machinery that was ever installed, or in operation, in our plant."



CUT THE OUTLINE OF THE DESIGN AND INSCRIPTION WITH THE KNIFE PROVIDED. A SINGLE CUT GIVES CLEAN SHARP LINES AND EDGES.

Empire Monument Company, Albany, N. Y.: "Our man who does the sand-blast work says that if he had to buy fifty sand-blast machines they would all be Pangborn machines."

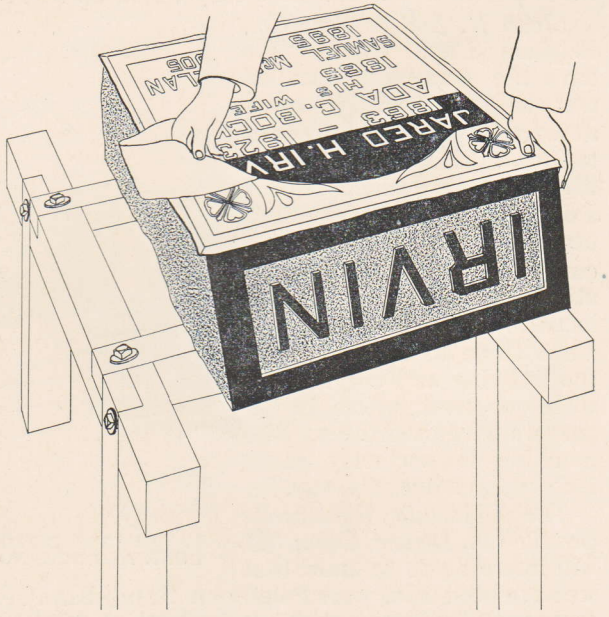
Missoula Tombstone Co., Missoula, Mont.: "The sand-blast that you shipped us some time ago has proven very satisfactory and are sure glad that we have your machine instead of the others that we have heard about. According to what information we have been able to get, your machine is the best one that is put out."

M. J. Judge & Co., Wilkes-Barre, Pa.: "In regard to our sand-blast that we bought of you, it has been very satisfactory. We have had no trouble with it since we got it. We think it will be only a matter of a very short time until all the monumental dealers will use a sand-blast. The work that is being done with them speaks for itself."

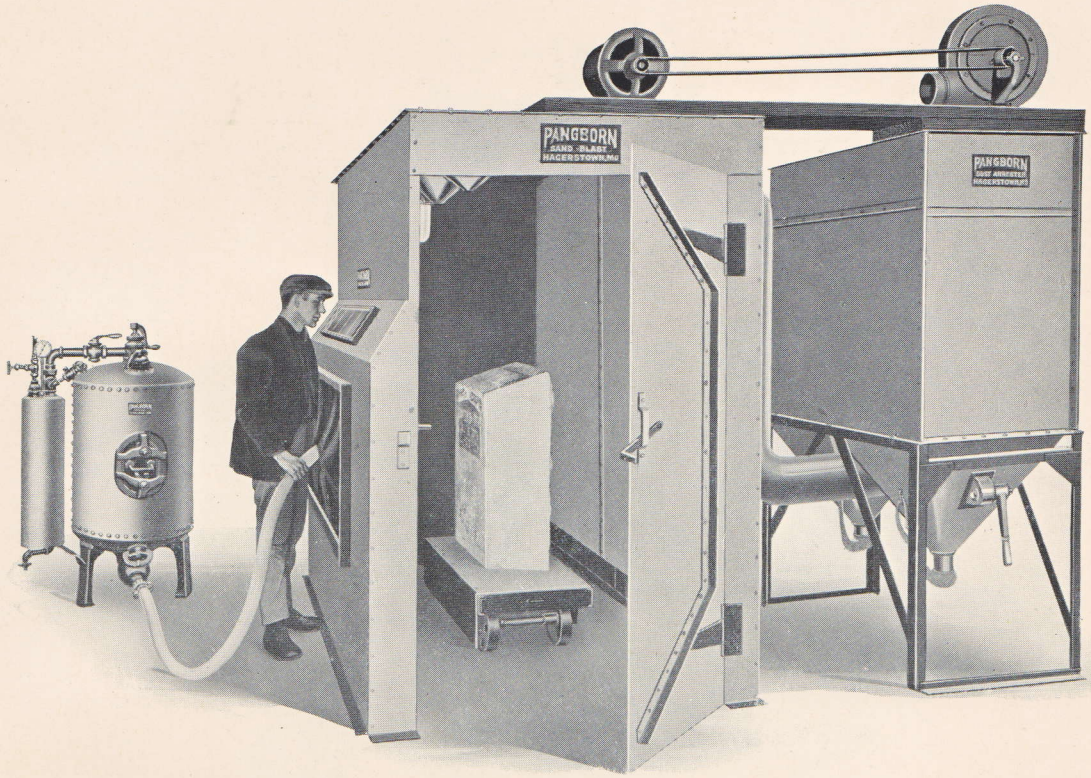
Bonham Marble Works, Bonham, Texas: "Replying to your favor of the 4th, will say that we have been using your sand-blast machine for ten months, and have found it to be eminently satisfactory. It has increased our output of work, and customers are attracted by the beautiful finish of sand-blast lettering and carving. The machine is now indispensable to us."

George F. Ames, Lynn, Mass.: "Our machine has proved to be all you said it was, and is perfectly satisfactory to us."

L. D. Mann & Son, Hagersville, Pa.: "We have been using one of your sand-blast machines for six months. We find this device operates very satisfactorily and is certainly a great labor saver. As proof of this, we recently raised sixty-five inscription letters 1/8" in fifty-five minutes on Barre Granite and an ordinary inscription on Chester Granite can be cut in thirty-five minutes."



STRIP OFF THE JIFFYSTENCIL TO EXPOSE THE PARTS TO BE SAND-BLASTED. FOR RAISED LETTERS STRIP THE BACKGROUND, FOR SUNKEN LETTERS STRIP THE LETTERS.



PLACE THE DIE IN POSITION ON THE HAND TRUCK IN THE ROOM FOR SAND-BLASTING. MOVE THE SAND-BLAST STREAM CONSTANTLY ACROSS THE WORK UNTIL CUT THE DESIRED DEPTH.

Direct Air Pressure applied to the flowing abrasive gives greatest cutting power.

Rotatable Disc Sand-Valve permits adjustment of abrasive flow with cutting range from the very widest to very finest lines.

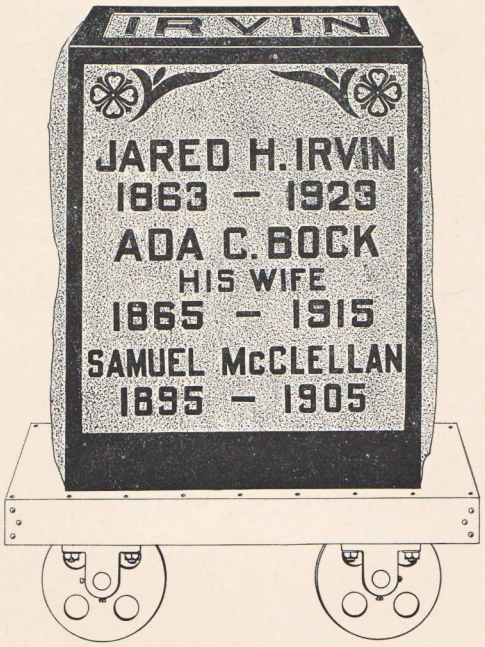
Air Control, Separated from Sand Control, allows the blowing off of the complete work with the air stream.

Moisture and Oil Separator removes moisture from compressed air before air gets to sand chamber or hose line.

Outlet Valve quickly exhausts air from the sand chamber for reloading.

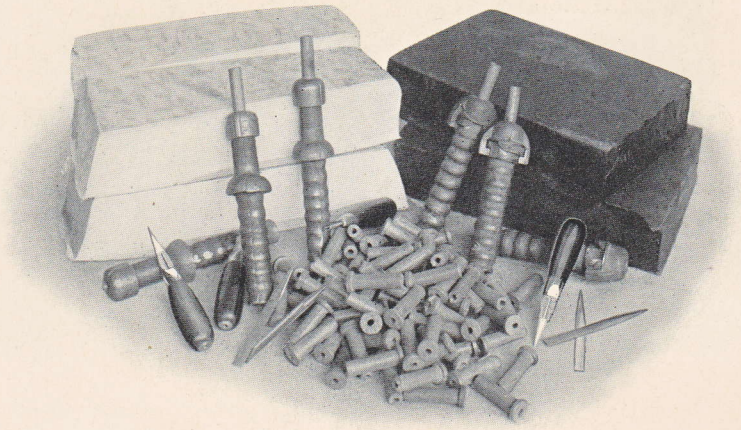
A Large Manhole gives easy access to interior. A handhole at the bottom permits quick unloading of the sand chamber when necessary.

Pangborn Air Nozzles do not enlarge at the inlet. Consequently, the pressure is always constant.



THE FINISHED JOB. THE JIFFYSTENCIL HAS BEEN ENTIRELY STRIPPED AFTER SAND-BLASTING, LEAVING A CLEAN SHARP CUT AND APPEARANCE NOT POSSIBLE WITH TOOLS.

Sand-Blast Supplies



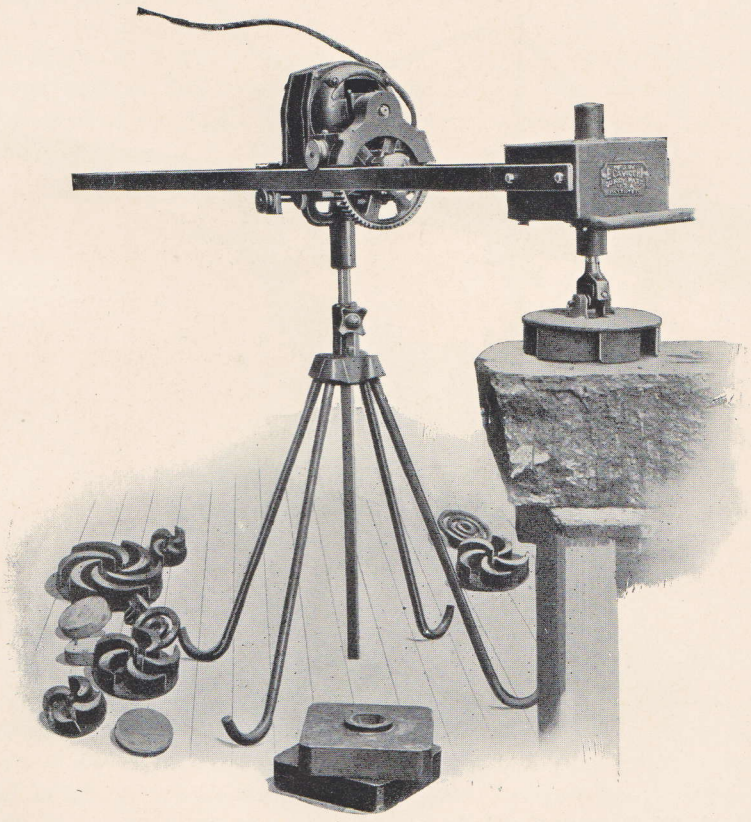
The above illustration shows some of the supplies we sell. Our stock of Sand-Blast supplies is complete, including Sand, Metallic Abrasives, Hose, Nozzles, Glue Paper, Light or Dark Sand-Blast Composition, Knives, Nozzle Holders, Core Nozzles.

Our Bull Dog Sand-Blast Hose is without a doubt the best value for the money anywhere; three-ply or four-ply, ¾ inch, 1 inch, 1¼ inch and 1½ inch. Every foot guaranteed to give perfect satisfaction.

Remember, we are headquarters for Sand-Blast Supplies of every description.

Cavicchi

Electric Polishing Machine



The Cavicchi Electric Polishing Machine is an electrically operated, Portable Polisher, used in:

Monumental Yards for polishing Granite and Marble monuments, dies, markers, etc.

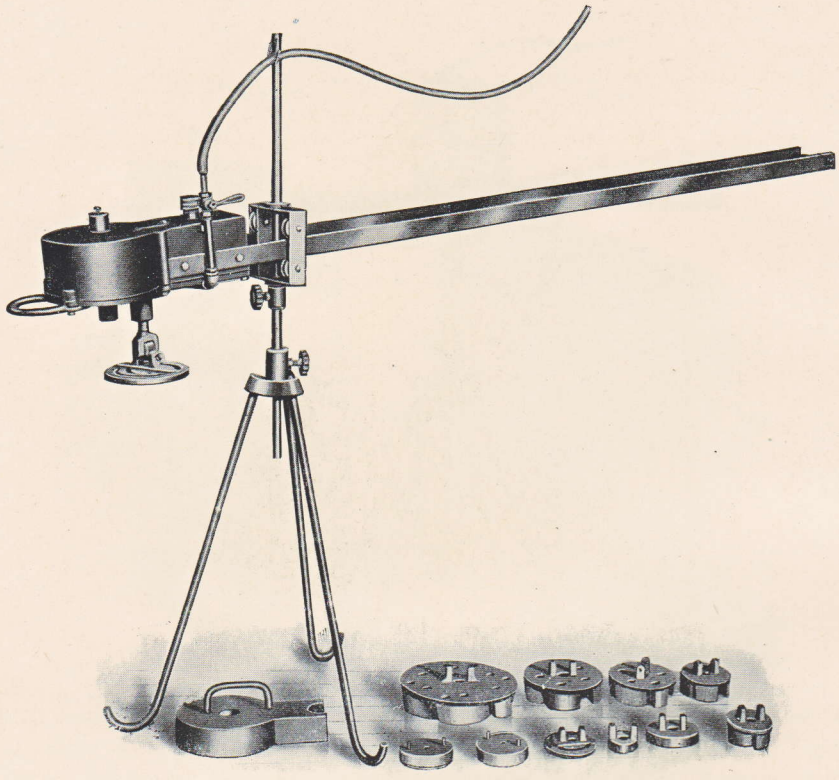
Artificial Stone and Concrete Products Plants for polishing cast products — bench seats, table tops, sinks, or any products in slab form.

And can also be equipped with a special stand for polishing plate glass.

The polishing of such products increases their value — polishing them with a Cavicchi Electric Polisher is the quickest, cheapest and most efficient way.

Cavicchi

Pneumatic Polishing Machine



The Cavicchi Pneumatic Polishing Machine, operated by compressed air, is a Portable Polisher designed to meet the needs of the Monumental Trade for a machine that would successfully polish both flat and irregular surfaces.

It is an especially valuable piece of equipment to small manufacturing and finishing plants, for it eliminates the slow, costly and out-of-date hand polishing methods, and saves the many delays and exorbitant costs incident to polishing mills.

It is a simple understandable machine, strongly built, efficient in operation, and can be readily moved about the shop or yard.

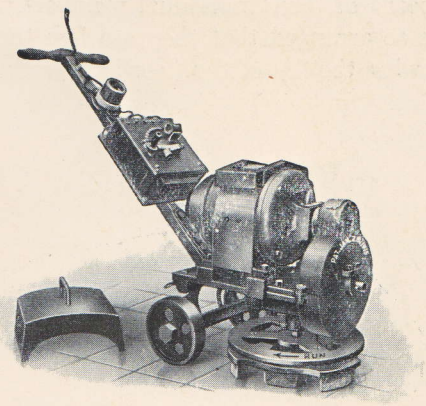
Manufactured in two sizes:

No. 1 for Granite Polishing.
No. 2 for Marble Polishing.

Cavicchi Floor Surfacer

The No. 14 Cavicchi Floor Surfacing Machine is equipped with a Direct or Alternating Current 2 H. P. Motor. These motors are interchangeable and fit all our No. 14 machines.

This machine is simple in design and very compact, permitting its use in very small rooms, such as bathrooms, around the bowl and in closets. It will finish within one inch of the wall. Can be easily carried from floor to floor. One man can operate it.



NO. 14 FLOOR SURFACER WITH 2 H. P., D. C. MOTOR

Its capacity on open marble or terrazzo floors is from 500 to 800 square feet per day, equalling the work of from eight to ten men rubbing by hand. On granolithic floors, which is the severest test to which a machine can be put, it has finished an average of 200 square feet per day. On concrete floors, which require only a superficial grinding, it can surface 1000 square feet per hour. The trowelling of such floors is not necessary and this expense entirely eliminated.

Net weight, including grinding wheels and saddle weight, is about 465 pounds.
Shipping weight about 565 pounds.
Cubic measurement, boxed for export, 16 cubic feet.

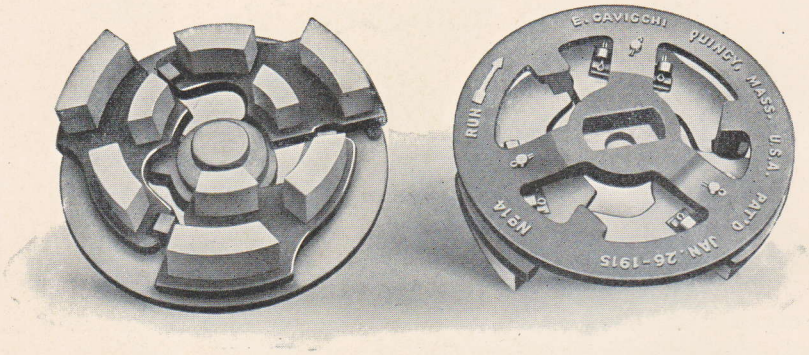
Equipment of Floor Surfacer No. 14

One 2 H. P. Electric Motor.
One 14-inch Flexible Wheel, with coarse carbo blocks for roughing.
One 14-inch Flexible Wheel, with fine carbo blocks for finishing.
One 90-pound Iron Saddle Weight, for use on top of motor.
One Snap Switch.
One Rheostat (furnished with Direct Current Motors only).
Fifty feet No. 14 Flexible Wire Cable.

Cavicchi Flexible Wheel

This flexible or compensating wheel gives our machine a decided advantage, in that it reaches the low as well as the high spots of the floor, where a solid wheel makes a bridge, necessitating rubbing the low spots by hand. This means considerable extra cost.

This wheel is composed of three individual members or castings, which carry the abrasive; these are so arranged that they are free to move independently of one another, thus following the lay of the floor and producing a uniform surface.

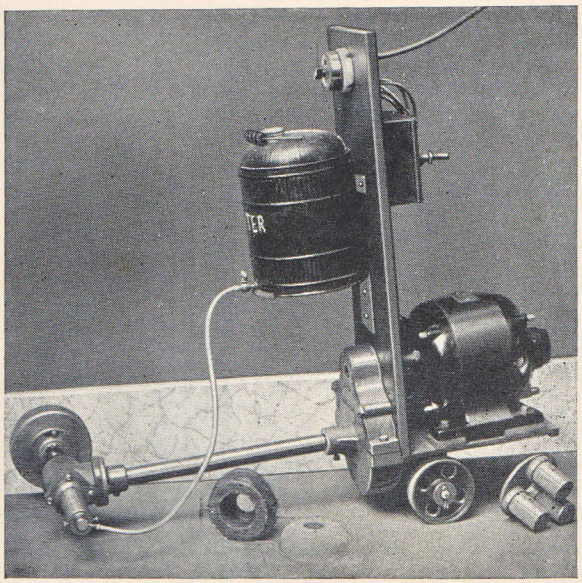


The wheel is placed directly under the motor, and carries nearly all the weight of the machine. It is easily connected to the machine by simply pressing down on the handle, thus raising the front end of it, then placing the driving shaft in the recess in the center of the wheel. The weight of the machine keeps it firmly in place.

We now have two styles of abrading blocks; the curved shape, shown in the illustration, is cemented to the castings. The other style is conical or round blocks, tapered at one end and fit into corresponding tapered holes in the castings, requiring no cement. These can be readily removed or replaced.

Either style of carbo blocks furnished as desired.

Cavicchi Base Rubbing Machine



This machine is designed for rubbing bases, borders on floors, stair treads and steps, principally of Terrazzo, Marble, Artificial Stone, Wood, etc.

The head of the machine swivels and can be set at any required position for rubbing straight, bevel, or sanitary cove bases; borders on the floor close up to the base, where a Floor Surfacer cannot reach; also stair treads, steps, and a large variety of other work.

It is compact, permitting its use in small rooms, and is driven by a ¾ H. P. electric motor, that can be operated from any ordinary electric light socket. A reservoir is provided, which supplies water to the surface being treated, thus eliminating all dust besides preserving the natural color of the marble used in the composition of the aggregate. Dry rubbing should never be attempted, for it burns and discolors the aggregate.

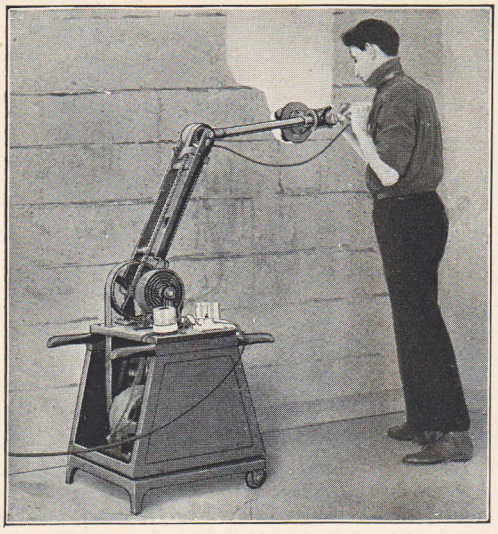
The rubbing wheels used in connection with the Cavicchi Wall and Base Rubbing Machine, are also used with this machine. It is a time-saver, and a desirable tool for the Terrazzo Manufacturer who contracts for this class of work.

Our usual guarantee for one year from date of purchase, against defective material and workmanship, covers this machine.

No. 9 Base Rubbing Machine, equipped with a ¾ H. P. electric motor (either Direct Current, or Alternating Current) and One Snap Switch, Fifty feet No. 14 Flexible Wire Cable, Six Rubbing Wheels of various shapes for use on different kinds of work.

Cavicchi Wall and Base Rubbing Machine

The machine illustrated on this and the opposite page is our latest development in wall rubbing machines. It is the only machine that has proven successful in grinding and finishing to a gloss, vertical surfaces, such as walls, bases and columns of granite, marble, mosaic, terrazzo, and all composition stone.



NO. 15 WALL AND BASE RUBBING MACHINE

This machine in operation has proved its practicability in labor saving and in the quality of work it produces. On open terrazzo wainscotting it has rubbed 400 square feet in one day. This represents the work of eight men rubbing by hand, besides producing a far better and more uniform surface.

Description

It is self-contained and portable, weighing about 250 lbs., can be easily moved from floor to floor, or about the building, as the case requires.

It is driven by a ¾ H. P. Electric Motor which will operate by connecting to an electric lamp socket.

As shown in the illustrations, the machine has a jointed arm with a reach of 6½ feet from the floor in a vertical direction and 8 feet horizontally.

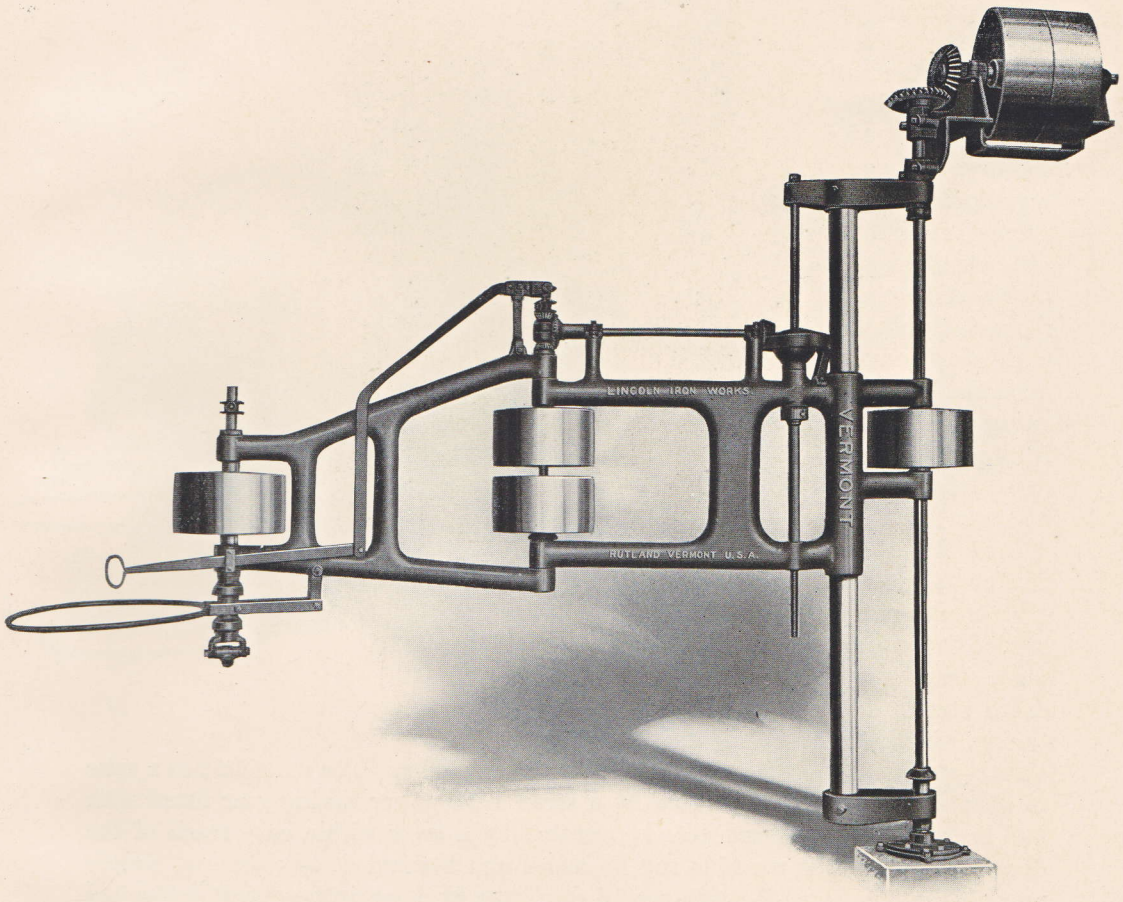
Equipment

One ¾ H. P. Electric Motor, either Alternating Current or Direct Current.
One Snap Switch.
One Rheostat (furnished with Direct Current Motors only).
Six Carborundum wheels complete for various kinds of work.
Fifty Feet No. 14 Flexible Wire Cable.
Buffers are furnished, if required, at an extra cost.

Weight and Measurement

Net weight of machine complete, about	255 lbs.
Gross weight of machine, boxed for shipment, about	300 lbs.
Cubic measurement, boxed for export	13 cu. ft.

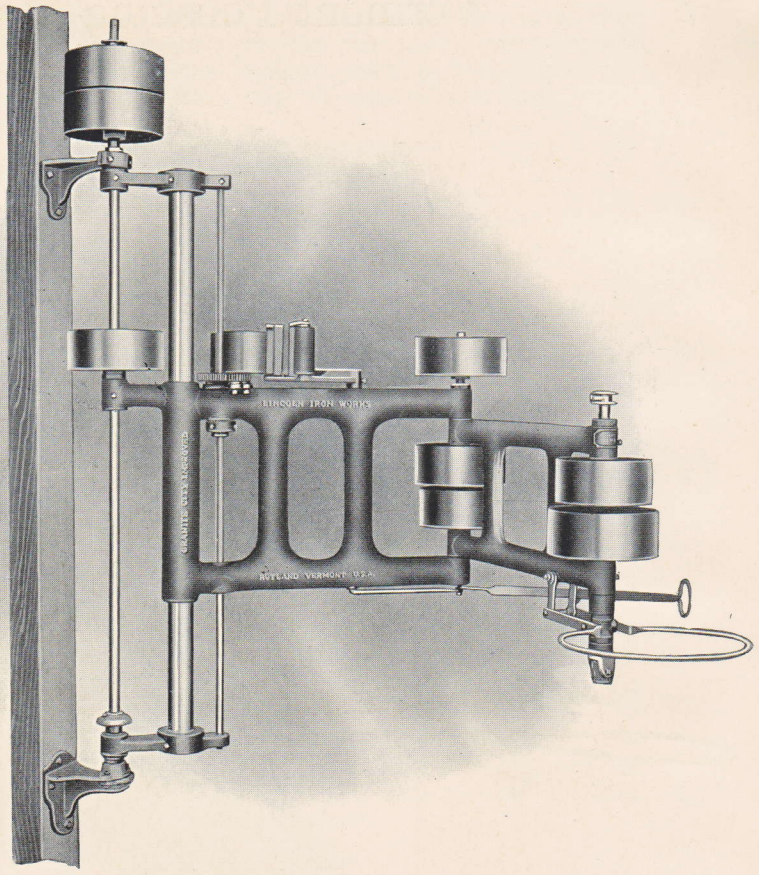
Vermont Polishing Machine



The Vermont Polishing Machine is one of the most popular machines manufactured for large granite manufacturing plants.

This machine has a radial swing of 11 feet, 2 inches, and is capable of polishing a large bed consisting of one or many stones. This machine is constructed of the finest material that money and skill can produce.

Granite City Improved Polishing Machine



The Granite City Improved Polishing Machine is the result of many years' practical experience by some of the largest users of polishing machinery throughout the country. It is made with double section arms throughout, thus making it much stiffer and more rigid than the old type of I-section machine. It has a swing of 9 feet 2 inches, the back arm being 5 feet and the front arm 4 feet 2 inches center to center. The machine is carried on a column made from 4-inch extra strong steel tubing, which is accurately turned and fitted to the sleeve on the back arm. The machine has a raise of about 3 feet, which is affected by a screw with power raising gear fitted with ball bearings. This raising gear is operated by a lever within easy reach of the operator, so that the machine can be raised and lowered at any time by simply moving the handle. All shafts are of steel; the back or driving shaft being $1\frac{15}{16}$ inches in diameter and the others $1\frac{11}{16}$ inches in diameter. The driving pulleys are 16 inches in diameter for a six-inch belt. Pulleys on intermediate shafts are 14 inches and 16 inches in diameter and all for 6-inch belt.

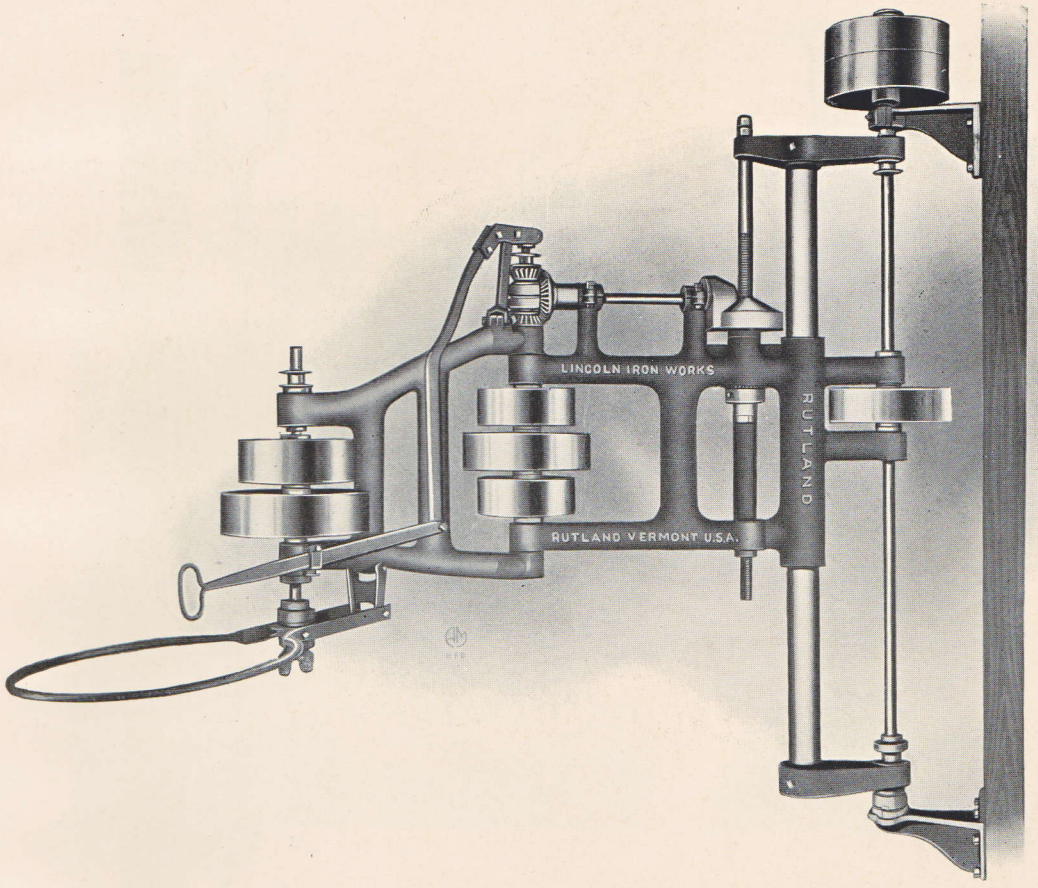
NOTE:—Where required, this machine can be equipped with 8-inch face pulleys, in which case the cone between the front and back spindle is omitted, thus giving the machine so equipped only one speed.

The standard equipment includes the machine as shown in cut with a solid spindle. Hollow spindle can be furnished extra at a small additional charge.

The speed of the driving pulley should be from 175 R. P. M. for granite to 200 R. P. M. or over for marble.

The weight: net, 1760 lbs.; gross, 2200 lbs.

Rutland Polishing Machine

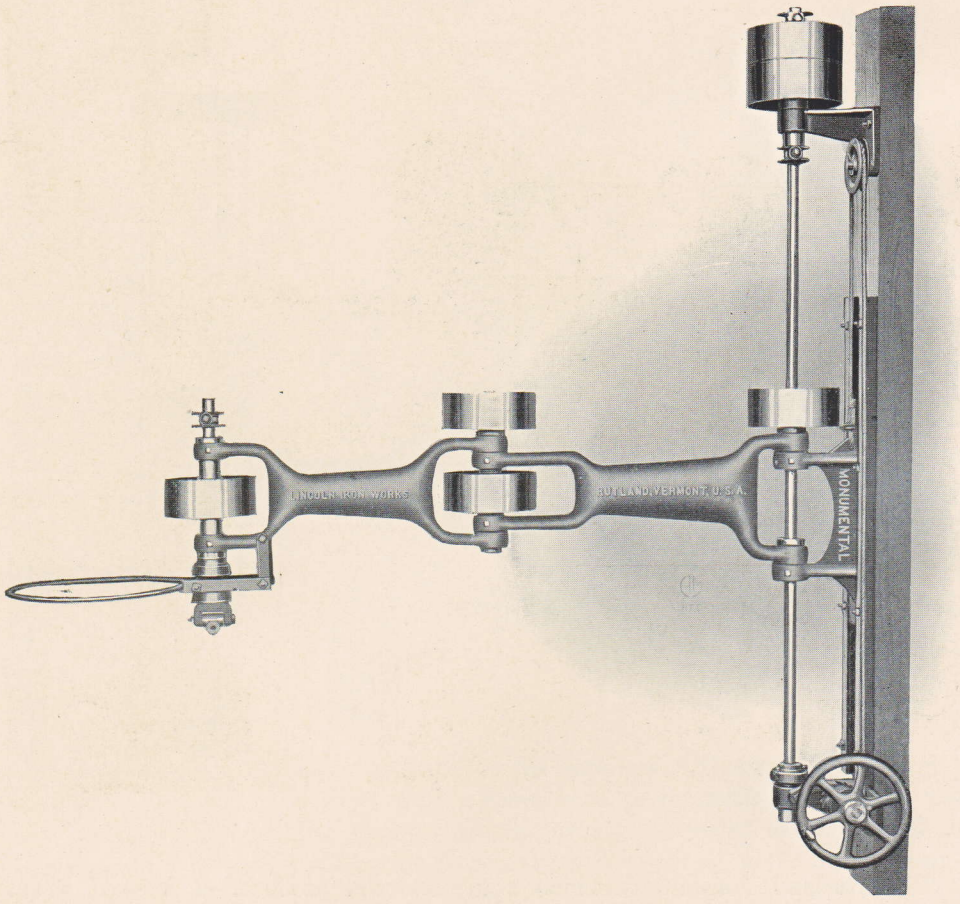


The Rutland Polishing Machine is a wonderful producer of finished work. It has a radial swing of seven feet two inches.

Note how sturdy it is built, will last a lifetime.

This machine is very popular with large marble mills and also a great number of monumental dealers who want the very best for their manufacturing plant. A better investment for this size and style machine cannot be made.

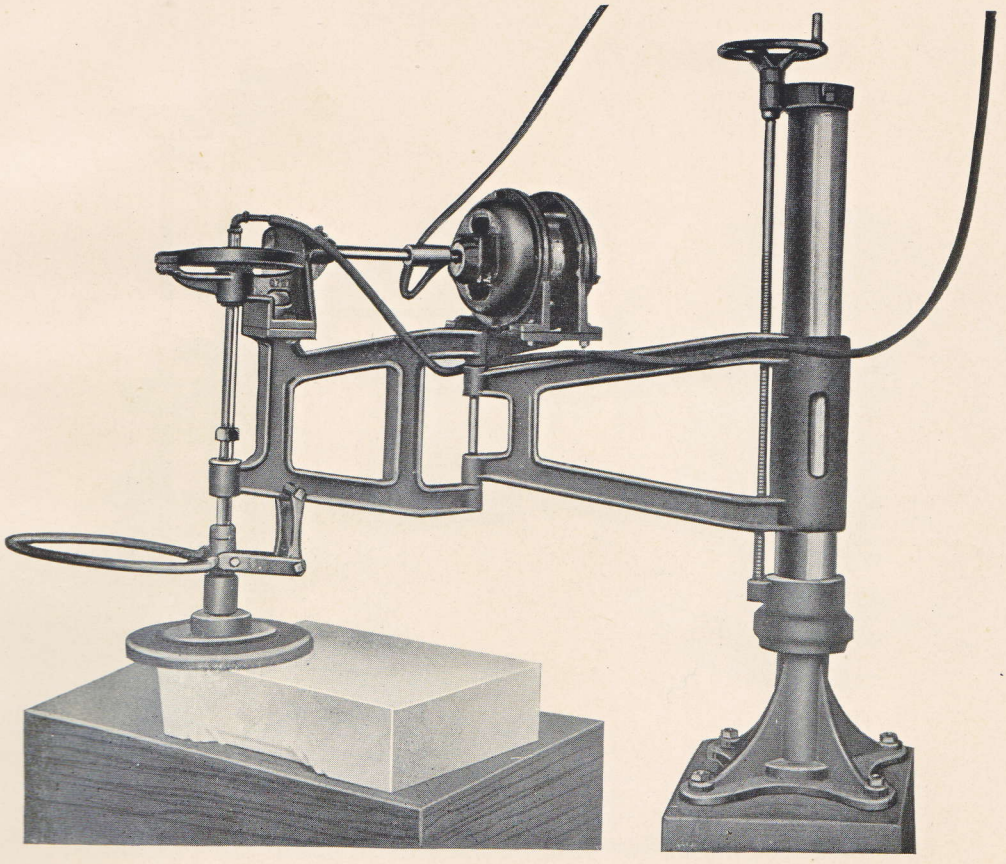
Monumental Polishing Machine



This machine is all the name implies. A monumental dealer's polishing machine with a radial swing of five feet two inches, an ideal size for the average monumental shop and no small shop should be without one.

Note the rigid construction throughout, nothing to get out of order, and the price is right.

The Gem Polisher



A complete and profitable installation in any retail plant.

Furnished complete with motor to suit your current.

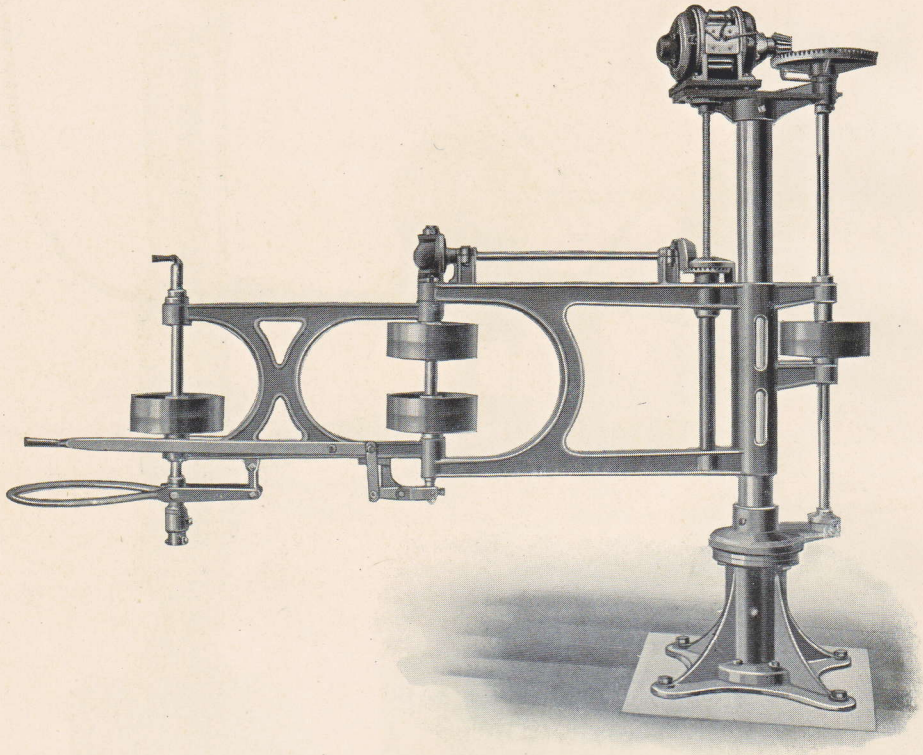
Shipped, assembled, as shown. No belting, countershafting, etc., necessary.

Will drive wheels up to ten inches in diameter, and finish stock up to three feet wide by six feet long.

This is one of the best selling polishers manufactured and very popular with the monumental trade.

Direct Motor-Driven Polishers

As Illustrated Below, Also Belt Driven Designs
In Three Sizes, As Follows:

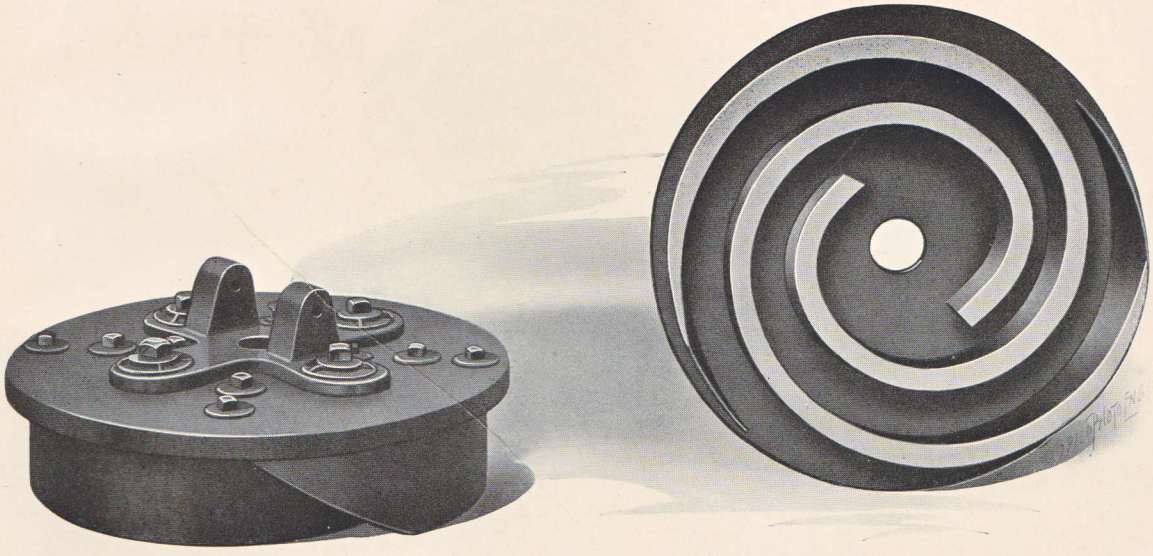


MARBLE QUEEN:
Reach 7 feet 8 inches. Will drive wheels up to 18 inches in diameter.
Motor-Driven Design furnished complete with 5 H. P. motor.

KEYSTONE:
Reach 9 feet 2 inches. Will drive wheels up to 30 inches in diameter.
Motor-Driven Design furnished complete with 7½ H. P. motor.

GRANITE KING:
Reach 10 feet 2 inches. Will drive wheels up to 48 inches in diameter.
Motor-Driven Design furnished complete with 10 H. P. motor.

Steel Scroll Wheels and Covers

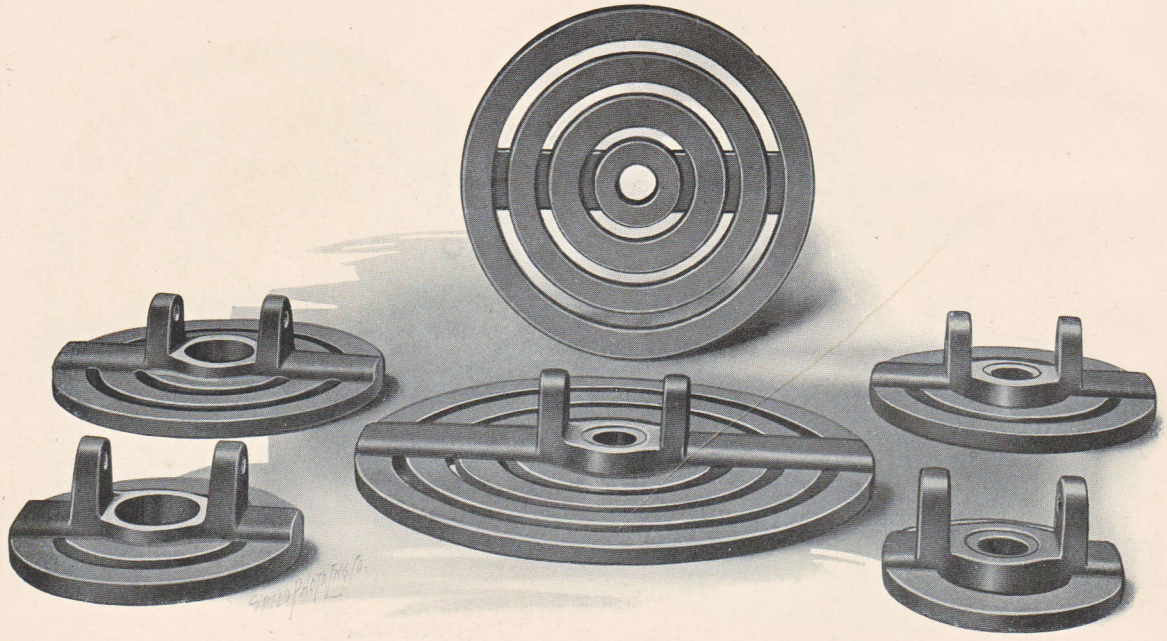


We supply every make of steel scroll wheels and covers produced today.

We can ship promptly extra sets of scrolls to fit any make of cover. It is necessary, however, to inform us the name and number on cover when ordering extra sets of scrolls.

Our customers can depend upon our shipping only the very best material at all times. Steel for scrolls must be properly tempered to obtain the best results with shot, grit or crushed steel.

Cast Iron Emery Rings

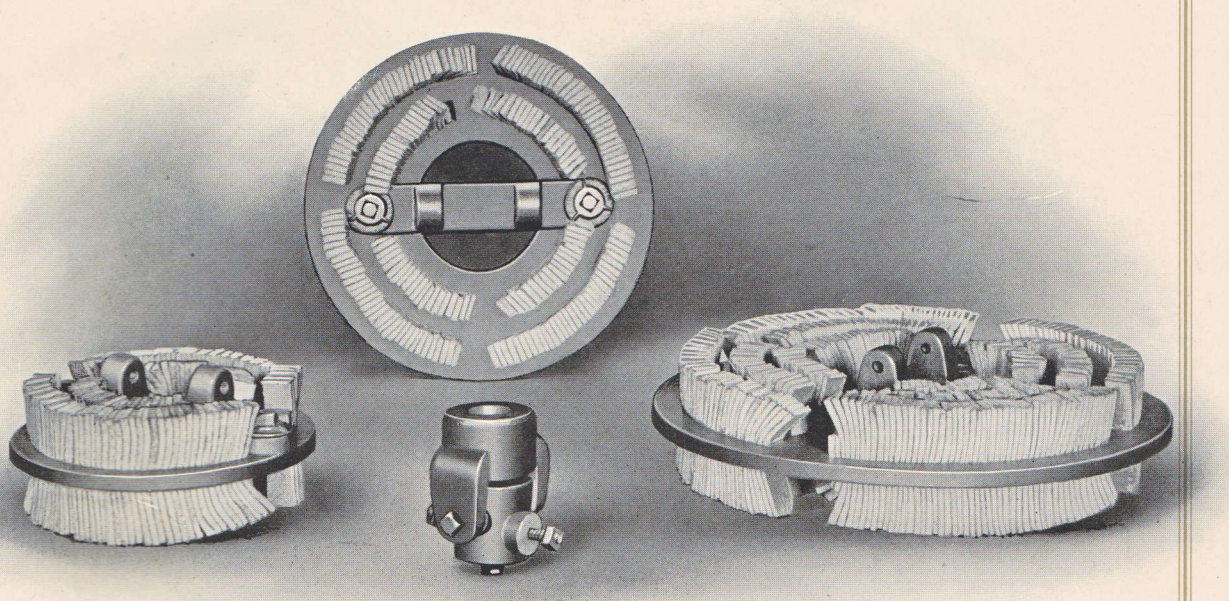


Our stock of emery rings is complete, any make or design we can ship promptly.

Made from the finest quality gray iron, wears longest and best.

We supply emery rings to fit any make of polishing machine. Get in the habit of buying your emery rings from one dependable house; it will pay you to do so.

Reversible Felt Buffers For Granite Polishing

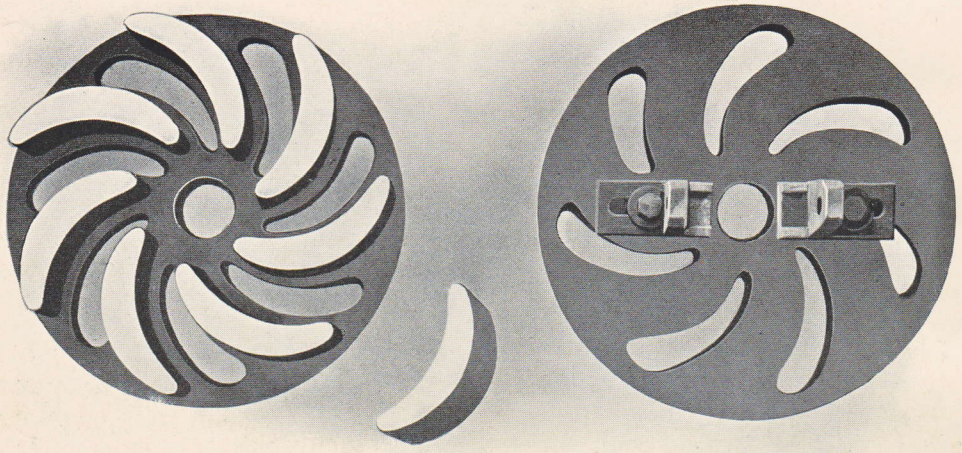


For many years we have specialized on reversible felt buffers for those who prefer this kind of buffer for granite polishing.

Only the finest second-hand jacketing obtainable is used in the buffers we ship.

We can supply any size to fit any style polishing machine. Don't waste your time trying to polish granite with inferior made buffers. Buy the best, they are the cheapest.

Harrison Patent Marble Polishing Wheel



These wheels on account of the adjustable shoulders will fit any polishing machine.

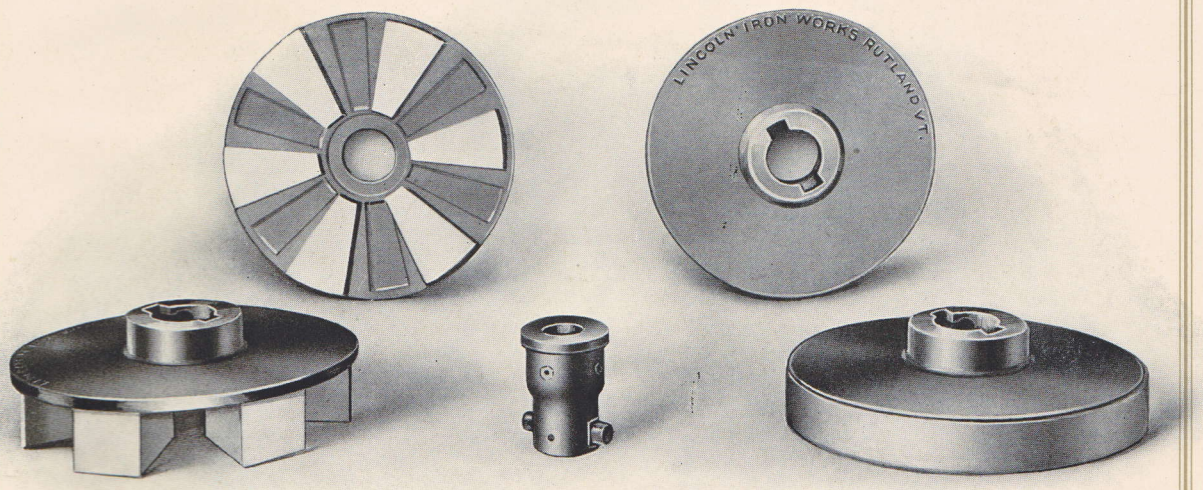
The Harrison Wheel has been put to every conceivable test in all parts of the world, and is today one of the most popular marble polishing wheels on the market.

We can supply the Harrison Marble Polishing Wheel fitted with Carborundum, Alundum or Corundum polishing blocks.

Special grits or hone blocks supplied to suit any marble or onyx.

Each Harrison Wheel contains seven polishing blocks.

Marble Gritting Heads

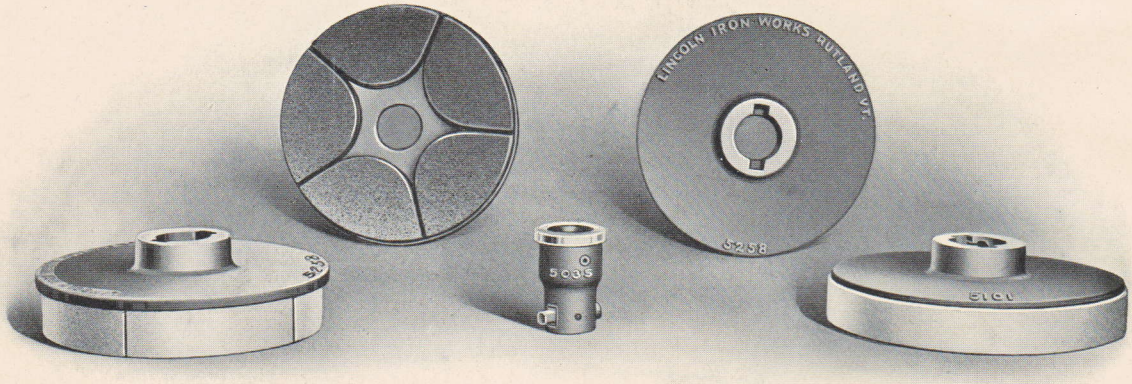


There are so many marble gritting heads on the market it is a difficult matter illustrating them all.

We sell the leading gritting heads produced and also refills for such heads.

The black colored shoes are made of Carborundum and eight colored shoes are manufactured from Alundum. We supply either kind, any grit or grade required. It is always wise to send a sketch of the size and style desired.

Marble Polishing Heads With Bayonet Joint Spindle Connection



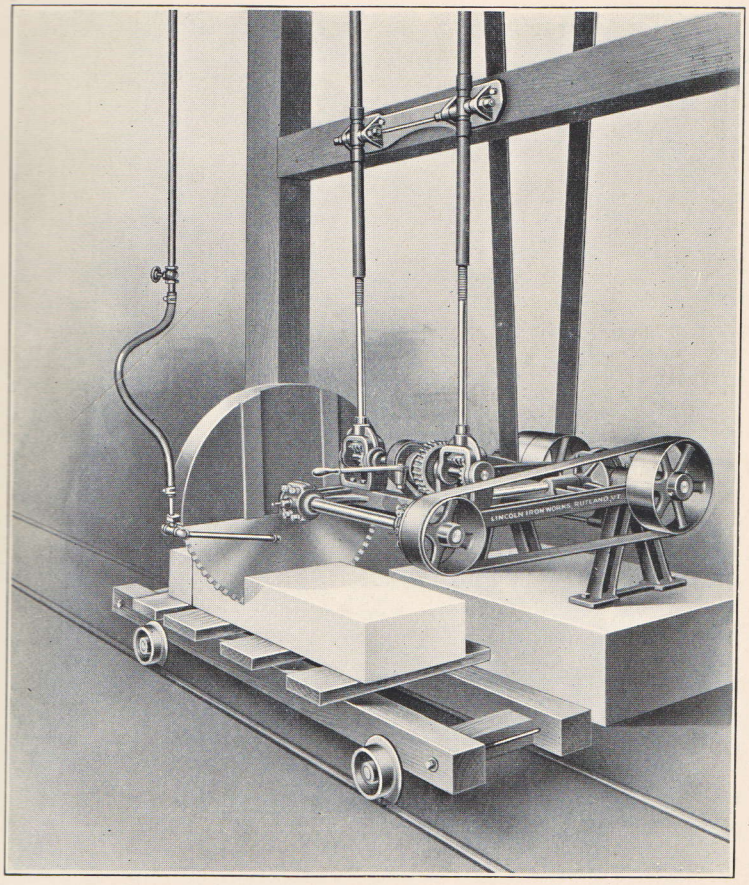
This is another popular marble gritting head with bayonet joint spindle connection. This wheel has much more gritting surface than most wheels on the market. With this wheel, it is possible to get maximum results.

Fitted with Carborundum or Alundum polishing blocks.

We advise our customers giving this gritting head a thorough test.

Columbian Cut-off Saw—Diamond or Carborundum Circular Saw

(With Power Feed and Raising and Lowering Device)



This machine furnished with two 42-inch perforated steel blades.

The machine has a variable power feed and quick raise and is suitable to use with either Carborundum or Diamond Saw Blades.

We furnish this saw machine with two raising screws, so that arbor can be held rigidly and fed into the stone with hand wheel. These extra screws have been found a great advantage in sawing marble.

Press of Perry & Elliott Co., Boston, Mass.

PRICE LIST

Effective April 15, 1924

FOR

CATALOGUE NUMBER FIVE

All prices quoted are F. O. B. Boston, Massachusetts, or Barre, Vermont, and are subject to change without notice

HARRISON SUPPLY COMPANY, INC.
BOSTON, MASS.
U. S. A.

NAME	PRICE	PAGE
ACID (Oxalic)		25
Barrel lots (300 pounds)	17 cents per pound	
Less quantity	20 cents per pound	
ACID (Suboxic)		25
Keg lots	10 cents per pound	
Less quantity	12 cents per pound	
ACID (Salts of Sorrell)		25
100 pounds and over	30 cents per pound	
Less quantity	33 cents per pound	
APRONS (Rubber)		36
Black	Each $2.00	
White	Each $3.25	
BAND IRON		33
Black, in rolls, ton lots	10 cents per pound	
Less quantity	11 cents per pound	
Galvanized, ton lots	13 cents per pound	
Less quantity	15 cents per pound	
BELTING		78
List less 40% Red Bull Dog		
45% Senate		
40% Sagamore		
40% Red Strip		
BRUSHES		35
(Tampico)	Per dozen $3.00, each 30 cents	
(Steel Wire)	Per dozen $6.00, each 60 cents	
CARBOLON		12
Keg lots, 325 pounds	16 cents per pound	
½ Keg lots, 150 pounds	16½ cents per pound	
100 pound lots	17 cents per pound	
50 pound lots	18 cents per pound	
10–25 pound lots	20 cents per pound	
Less quantity	21 cents per pound	
CARBORUNDUM BRICKS		14
8 inches by 2 inches by 1 inch	.65 cents each	
8 inches by 3 inches by 2 inches	$1.75 each	
CARBORUNDUM WHEELS		14
Vitrified 45% from list		